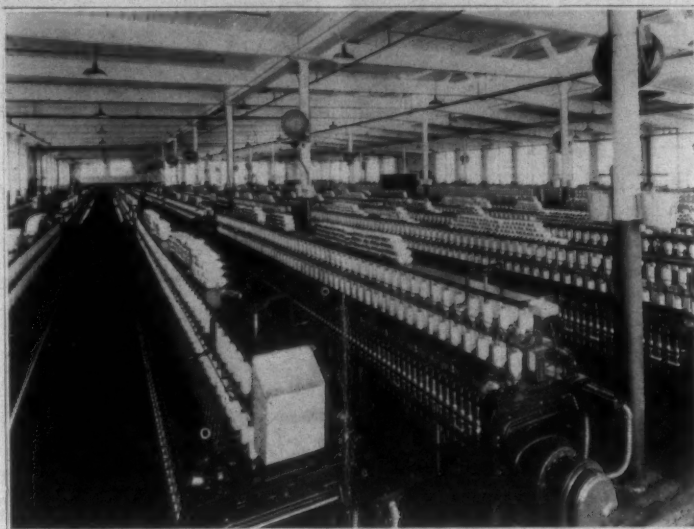


# SOUTHERN TEXTILE BULLETIN

VOLUME 25

CHARLOTTE, N. C., THURSDAY, OCTOBER 4, 1923.

NUMBER 6



*A Typical Installation of Bahnsen Humidifiers*

## Why Not Install a Permanent System of Humidification in Your Mill?

The BAHNSON System of humidification gives permanent service wherever it is installed.

No auxiliary apparatus is required for operating the BAHNSON System, therefore there are no pumps or air compressors to break down or be replaced, and the BAHNSON Humidifier is constructed for long service.

BAHNSON Humidifiers are made of the very best quality of brass, copper and steel obtainable. All steel parts are rust-proofed by the Parker Process which absolutely prevents rusting.

Costs more at first perhaps—but then compare the operating cost of the BAHNSON System with that of other systems, and compare the materials and construction with those of any other system—then you will understand why you have a **permanent** system of humidification when you install BAHNSON Humidifiers in your mill.

Our Services are Yours for the Asking

## THE BAHNSON COMPANY

Humidification Engineers

Winston-Salem, N. C.

New York Office 437 5th Ave.



## The Liberty Knotter



**\$12.50**

is something absolutely new. It is a Southern product made for Southern mills by Southern people, who know the requirements and have provided for them.

GUARANTEED FOR ONE YEAR

*Write for Information*

**Mill Devices Co.      Durham, N. C.**

*A. B. CARTER, Sales Agent, Gastonia, N. C.*

# Starch



**—and these Stars  
have a meaning**

They signify the different grades in which Thin Boiling Eagle Starch is offered to the textile industry.

Being the pioneers in the manufacture of Thin Boiling Starches, we are gratified at the widespread recognition they have received.

Be sure to select the grade best suited to your work. Our knowledge and experience is at your service.

**CORN PRODUCTS REFINING CO.**  
New York

**Southern Office: Greenville, S. C.**

# Starch

### AMALIE PRODUCTS

## "Fair" is not Good Enough for You

**Find Out How Sonneborn Warp Dressing  
Helps You to Get Better Weaving**

There are many cotton mills today getting "fair" production that would get a great deal more if they heard the whole story of Sonneborn savings from one of our experts.

Amalol and Gluantine, the Sonneborn warp dressing preparations, are the results of years of study and research in our textile laboratories. These products are proving themselves a positive aid to the production of the highest quality weaving—helping to secure a uniform size regain. Daily performance in many prominent New England and Southern mills testifies to this.

There is a mill using Amalol and Gluantine in your vicinity. Write us for its name and the names of many other users of these products. Let one of our experts show you in your plant how scientific warp dressing will aid in getting quality weaving. No obligation. Write.

**L. Sonneborn Sons, Inc.**

116 Fifth Avenue

New York

**Amalol—for cotton warp dressing—Gluantine**  
*Manufacturing Chemists for the Textile Industry*

**L. SONNEBORN SONS, INC., NEW YORK, N.Y.**

**DRAW-IN** only one  
time and change to  
any cloth when you  
weave with

## "DUPLIX"

**Flat Steel Loom Harness**

**STEEL HEDDLE MANUFACTURING CO.**

GREENVILLE

PHILADELPHIA

PROVIDENCE

Southern Office

509 Masonic Temple, GREENVILLE, S. C.

Hampton Smith, Sou. Mgr.

N. B.—We are the sole manufacturers of nickel plated drop wires for every kind of loom.



# What the Klumac Mill Thinks of PAGE Fence



*E. H. Kelly, President*

*W. F. McCanless, Sec. & Treas.*

*Klumac Cotton Mills, Inc.*



*Salisbury, N.C.*

General Equipment Co., Dist.,  
Page Steel and Wire Company,  
Charlotte, N. C.

Gentlemen:-

Your Mr. Hill has just finished the erection of a PAGE-ARMCO Fence around our plant, and we wish to state that it is as handsome a fence as we have ever seen. We bought a PAGE Fence because we wanted one of ARMCO Ingot Iron, as we feel that it will last several times as long as steel fence. Since the erection costs were the same for the ARMCO as for steel fence, we consider ourselves fortunate in being able to get a fence of this material.

Your service has been excellent, and if any textile mill considering the purchase of a fence wants to know what we think of Page Fence and Page Service, you may refer them to us.

Very truly yours,  
KLUMAC COTTON MILLS, INC.

(Signed) W. F. McCanless, Sec. & Treas.

WFM/LS

**W**HY delay the installation of a Page-Armco fence? It will repay its cost time after time during the long years it will guard your plant, fuel and equipment. There is still time for a fence this year. Plan now, to protect your property.

In each of the cities listed there is a Page Distributor that carries complete stocks of Page Products and will give prompt estimates and efficient service in construction.

Alabama	Indiana	Missouri	Oregon
Birmingham	Indianapolis	Kansas City	Medford
California	Osceola	St. Louis	
Los Angeles	Kentucky	New York	Pennsylvania
Connecticut	Louisville	Binghamton	Philadelphia
New Haven	Louisiana	Buffalo	Pittsburgh
Colorado	New Orleans	New York City	S. Carolina
Denver	Maryland	Rensselaer	Charleston
Florida	Baltimore	N. Carolina	Tennessee
St. Petersburg	Massachusetts	Charlotte	Chattanooga
Georgia	Boston	Ohio	Memphis
Atlanta	Springfield	Asheville	Virginia
Savannah	Michigan	Cincinnati	Lynchburg
Illinois	Detroit	Warren	Richmond
Chicago	Minnesota	Zanesville	Wisconsin
	Minneapolis	Oklahoma	Milwaukee
		Tulsa	

IN CANADA: Dominion Chain Company, Niagara Falls, Ont., with distributors in London, Ont.; Montreal, Que.; St. Johns, N. B.; Winnipeg, Man.

Address Page Fence and Wire Products Assn. at the city nearest you or write the main office: PAGE FENCE AND WIRE PRODUCTS ASSN., 207 N. Michigan Ave., Chicago, Ill.



# MATHIESON Chemicals



Saltville is located on the Norfolk & Western Railway, 37 miles from the line of the Southern Railway at Bristol, Va.-Tenn.

For all points in the South, freight differentials are overwhelmingly in our favor over any other plant manufacturing soda products.

## Prompt Deliveries

## Direct From the Works—

**T**HE location of our plant at Saltville, Va., makes it the logical source of supply for all Southern consumers of Soda products.

Southern textile mills who use Mathieson Chemicals are assured of fresh materials and prompt deliveries at a considerable saving in transportation charges.

Let us serve you direct from the works in both carload and less-than-carload quantities.

**The MATHIESON ALKALI WORKS Inc.**  
25 WEST 43<sup>rd</sup> STREET NEW YORK CITY

PHILADELPHIA  
PROVIDENCE

CHICAGO  
CHARLOTTE

**Deal Direct with**

**the Manufacturer**

*Bicarbonate of Soda  
Liquid Chlorine-Caustic Soda*



*Sesquicarbonate of Soda  
Bleaching Powder-Soda Ash*





## Your Thoughts?--- after reading this advertisement

**T**HE Franklin Process Company has the largest yarn dyeing capacity in the United States. It dyes yarn in the wound form and handles all classes of colors from the cheapest to the best. It is also by far the largest user of fast Vat dyes.

The development of the Franklin Process Company has taken place within a comparatively few years. Such rapid growth from a small beginning is ample proof of the success and the popularity of the FRANKLIN PROCESS of dyeing.

We receive worsted yarn, both single and ply, on bobbins, tubes or cones, dye it on Universal wound parallel tubes and return it on these tubes or on cones. We also receive worsted yarn on jackspools, dye it on our special perforated dyeing spools and return it to you on the original jackspools.

We receive cotton yarn on bobbins, tubes, cones or cops, dye it on Universal wound parallel tubes and return it to you without waste on these tubes or cones.

We also dye Merino yarn, silk noils, mohair yarn, cotton novelty yarns of all kinds and multiple wound yarns for insulating.

The Franklin Process of dyeing yarn in the wound form, eliminates skeins and warps with their attendant waste, which fact alone is the strongest of reasons for sending your work to one of our plants. The quality of Franklin dyeing is almost universally recognized in the trade. The colors are distinctive and unusually brilliant.

What are your thoughts after reading this advertisement? Do you not think that the Franklin Process Company can be of service to you?

Complete information regarding the adaptability of Franklin Dyeing to your problem will be furnished on request.



### FRANKLIN PROCESS CO.

Philadelphia    PROVIDENCE    Manchester, Eng.

New York Office, 72 Leonard Street

SOUTHERN FRANKLIN PROCESS CO.

Greenville, S. C.







Marvin Carr Building of Durham Hosiery Mills

## "The Test of Strength"

BACK of the Durham Hosiery claim that it is "Made strongest where the wear is hardest," is the accumulated experience of three generations of hosiery manufacturers and a group of loyal workers in its several mills.

With such ideals of service to the wearer, it is small wonder that the Durham Hosiery Mills have grown from the modest beginnings of their illustrious founder to the present proportions required to meet a strong national demand.

For eleven years we have been participating in the growth and development of this group of mills, through an engineering organization trained in the design and planning of textile and allied industrial establishments.

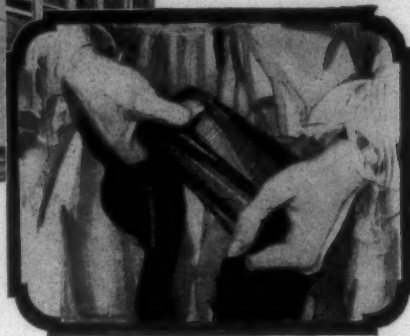
At least one of these new and revised editions of our books will interest you—write us which one.

"Picks to the Minute"—A short treatise on textile plants, their design and operation.

"Contentment Under Roof"—A review of some facts on the economical construction and results of industrial homes.

"Factories for the Future"—An application of foresight to the design and layout of industrial plants.

If you wish, a member of this organization will confer with you upon your own individual problems. This involves no obligation.



J. E. SIRRINE & COMPANY

Engineers

Greenville

South Carolina

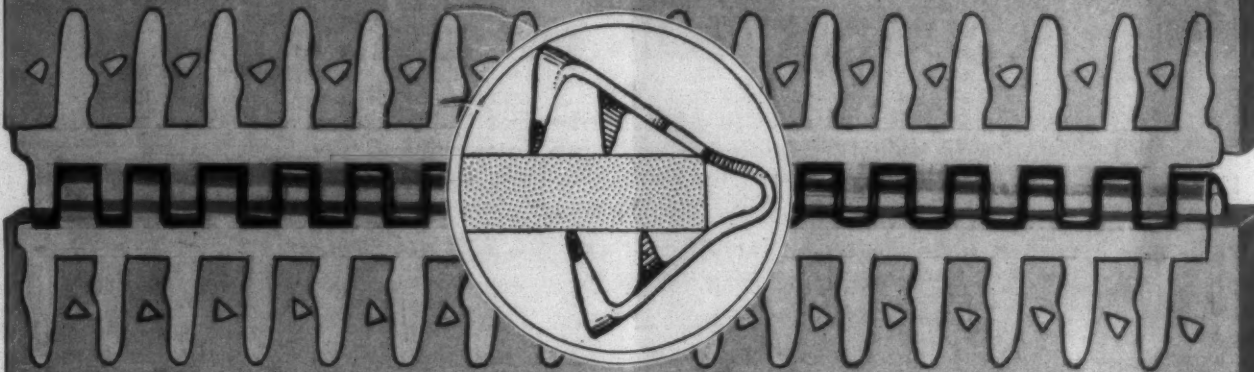




# ALLIGATOR

TRADE MARK REG. U. S. PAT. OFFICE

## STEEL BELT LACING



### The Modern Idea In Lacing

Old time lacings pulled against only part of the fabric. Modern Alligator Steel Belt Lacing pulls the entire fabric as a unit.

The teeth penetrate lengthwise and clinch down, each one a vise: binding the entire width of the belt in a grip steel.

Alligator Steel Belt Lacing has every essential point of a perfect lacing; a tremendous reserve strength, quick, easy application, economy, an easily separable hinged joint no thicker than the belt. Smooth and flexible. "Just a hammer to apply it."

Made in complete range of sizes for belts of every material and thickness. Recommended and used in universal service. Investigate! Sold at wholesale and retail the world over.

### Flexible Steel Lacing Co.

4699 Lexington St.

Chicago

In England at 135 Finsbury Pavement, London E. C. 2

"Every  
Tooth  
A Vise"



For Every  
Size and Kind  
of Belt





If You Go to the  
Textile Show—

Be Sure to See  
The "NATIONAL" Exhibit

Of Practical Value to Mill Men—that is the keynote of the "National" Exhibit at the Eighth International Textile Exposition, to be held in Mechanics Hall, Boston, October 29th to November 3rd.

In the "National" Booth—Spaces 502, 503, and 504, you will find, of real interest, a display of

Mill Dyed and Printed Textiles,  
including:—

*Dyed Loose Wool*

*Yarn Dyed and Piece Dyed  
Woolen and Worsted Fabrics*

*Direct Dyed, Direct Printed  
and Discharge Printed Cottons*

*Dyed Natural and Artificial Silk  
in Skeins and on Spools*

—all dyed exclusively with "National" Dyes—all produced in well known mills. Samples of these textiles, with information as to the dyes used, will be available to you.

The Exposition Number of "DYESTUFFS"—to be distributed at the Show,—will contain original and valuable articles on the dyeing and printing of the various textiles exhibited. Every mill executive and dyer should have a copy of this issue.

The "National" Exhibit will not be a display of dyes, but will consist of an assortment of textiles of the highest type, illustrating the present day application of "National" products. Be sure to visit the "National" Booth—if you see the Exposition—if not, write for a copy of the Exposition Number of "DYESTUFFS."

NATIONAL ANILINE & CHEMICAL COMPANY, Inc.  
40 Rector Street, New York, N. Y.





# SOUTHERN TEXTILE BULLETIN

PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 39-41 S. CHURCH STREET, CHARLOTTE, N. C. SUBSCRIPTION \$2.00 PER YEAR IN ADVANCE. ENTERED AS SECOND CLASS MAIL MATTER MARCH 2, 1911, AT POSTOFFICE, CHARLOTTE, N. C., UNDER ACT OF CONGRESS, MAR. 3, 1879.

VOLUME 25

CHARLOTTE, N. C., THURSDAY, OCTOBER 4, 1923.

NUMBER 6

## How Industrial Democracy Works

(Continued from last week.)

### "Economy Dividend."

While we impressed upon our people that it would take time for every member of the organization to be thoroughly educated to its scientific value, nevertheless we felt that if a large percentage would wake up to the opportunity, we could save as much as half a million dollars the first year. And of course, it would not be fair for the company to expect to create this spirit of co-operation and then pocket all of the saving that would result from it, so we proposed to work together on a fifty-fifty basis. We would keep an accurate account of all savings in the labor cost derived from this system and split it equally between the operatives and the company and from these savings we would declare every four weeks a dividend distributing their proportionate part among them.

Some of our workers said, "Whew! half a million dollars!" "Yes, easily," we replied.

"Well, how are you going to do it?" they asked.

So we presented the results of our analysis. In the first place within a month we found we could put our production up to the normal point of a well-managed organization. Then as our production increased our cost invariably decreased. There is a vast difference between efficient and inefficient production—bad work and carelessness, our workers learned, are very expensive. The question of labor turnover, absences, items of waste, all enter vitally into the cost of operation. It was comparatively easy to arrive at a standard of comparison and from that time on, we kept a record of the actual savings resulting each four weeks from our system.

The first period after we started we were able to declare and pay a substantial dividend to all of our operatives; during the first year the amount that was paid to them as their proportionate part of the savings was \$360,000, the next year it was \$470,000; the next year it was approximately \$600,000; and for the past few months they have been earning at the rate of approximately \$75,000 per month, or \$900,000 per year.

This is a big thing in itself, but it is not half so large as the underlying principle that opens up the

conception in a man's heart that there is a worth-while attitude to take toward life and that by putting the best that he has in him into whatever field of endeavor may constitute his life work, he not only derives happiness for himself and his family, but confers untold blessings upon others.

This plan should not be confused with profit-sharing. We are not involved in any profit-sharing plan. It is conceivable that the company might be selling its goods at a loss and at the same time be paying an "economy dividend." It is a question of saving, pure and simple. It is a question of saving on the actual labor cost, plus certain savings that result from causes such as labor turnover, absences, saving of waste, time, etc., all of which enter directly into the cost of operation. The principle is the paying of dividends if they earn them by their performance; if they don't earn them there are no dividends. They receive exactly what they earn; no more and no less.

This large amount of money is money that has been taken from the scrap heap. It is money that was going to waste, but more than that it was the waste of a system that was destroying human aspiration and encouraging selfishness to a dangerous extent.

When we started this system of saving, it meant the cutting off of loose ends and of making improvements here and there, in carrying out valuable suggestions, and in striving for greater and greater efficiency. It promotes careful thinking in a great many minds and calls for constant and persistent efforts to make progress. Based as it is on a fifty-fifty plan, every increase of output that we make, every cent that we can cut off of the cost, adds to the amount saved and enters into the "economy dividend." It benefits the operatives to the extent of the proportionate share, just as it benefits the company to the extent of its share. That is why we have been able to grow so rapidly in a period of five years to the present rate of dividend.

### Value to Operatives.

Just imagine what this is worth to the operatives; that within five years they have been able to build up practically a fixed income, which, as compared with a capital invest-

ment, is already bringing them more money than they would earn from interest on the invested capital of the savings of a lifetime?

Last week we had a unique gathering. The loom fixers from No. 8 mill, downtown, gave a supper at the Y. M. C. A. to their overseers and superintendents. They sent me an invitation—and I was glad to be present. I mention two incidents of that meeting because they illustrate the spirit prevailing among our men. The toastmaster called for the oldest loom fixer in the room to stand up. George Williford arose. The toastmaster said:

"George, how long have you been with the company?"

"Thirty-eight years," he answered. "How long have you been fixing looms?" asked the toastmaster.

"Thirty-five years," he replied. I remembered that he was fixing looms when I first came to the mill as a boy.

Gal Two—How Industrial Democracy Helps Mill Workers

The toastmaster then said, "Gentlemen, I am going to ask you all a question. How many men are there in this group who own their own homes with no debt on them?" And he requested everyone in this class to stand up.

There were sixty-two men in the room, and fifty-three of them stood up saying that they owned their homes clear of debt, which meant almost 90 per cent of the entire gathering.

Suppose in your own business one of your employees, or a committee from them, should approach you some evening after quitting time and say, "Can't I make you a suggestion? A few of us have been talking it over and we find in our section that we have more men than we actually need to carry on the work and, while we do not wish to make any complaint, we think that by shifting things a little we can save that expense without any loss of production." I expect you would say that sounds rather strange, especially if looked at from the usual union labor organizer standpoint, but nevertheless I have seen it happen time and again.

### Workers Co-operate.

I have called together a committee from among the operatives in a department in which improvements are being made where it was neces-

sary on account of increased speed or improvements in the machinery equipment to re-arrange the number of machines per operative as well as the rates of pay. After explaining the situation to them I have had their hearty co-operation in working it out with just as much pride on their part in the results obtained as the management or anyone else could feel. In any other atmosphere, such changes would be very difficult and in many industries if such a thing were attempted today, it would mean an instant walkout.

But great as is the practical value of co-operation there is a finer side to it. It creates an atmosphere of mutual understanding and harmonious relationships; the workman learns more about the business than he ever knew before, and we have all learned to know each other and to be more charitable in looking at things from the other fellow's side of the street. It has brought to light the finer qualities of our people and has created some of the most beautiful friendships that I have ever known. It has given a new meaning to life which is in no sense confined to the inside of the organization, but which reaches out into the homes and social relationships of our people.

When Johnson Patmos saw in vision the Holy City he observed that the length and breadth and height of it were equal; and the picture of it that he drew emphasized that the foundations upon which it rests fittingly describe the dimensions of a perfect man and the elements out of which his character is built.

The spirit of Industrial Democracy kindles, within the heart of man, the inextinguishable flame that is to burn out the dross of his own selfishness and imperfection and transform him into a new creature.

A short time ago, one of our men met me on the river bank down in the long mill yard. He said, "Can I bother you a minute?" Then he commenced to try to say something but could not and presently I could see that there were tears in his eyes. Finally, he said, "I just want to tell you that I am happier man today than I ever was before," and he then opened up and told me

(Continued on Page 12)



# What You Will See at the Exposition

Advance descriptions of exhibits at the coming International Textile Exposition, to be held at Boston, are given below. Publication of these descriptions were started several weeks ago and will continue from week to week until all of the exhibits have been covered.

## Tolhurst Machine Works.

The Tolhurst Machine Works, specialists in centrifugals or hydro-extractors for all purposes, will have their headquarters and exhibit in Booth No. 58 on the show floor of the Mechanics building, Boston.

They will have on exhibition and in operation a 48" direct motor driven self-balancing Tolhurst Extractor, specially constructed to meet the requirements of the textile and allied industries. The basket will be made with a bronze top ring, perforated copper side sheet bound with wrought iron hoops, cast iron basket bottom covered on the inside with sheet copper and all inner copper surfaces of basket will be tinned.

The machine will be protected by full automatic guards, which allow a good view of the basket and contents while the machine is in motion. The extractor cannot be started until the guards are closed, nor can the guards be opened until the extractor has come to a complete stop.

The extractor will be equipped

with the Tolhurst timer. This Tolhurst timer will be of special interest to all visitors, as the device is simple, light, sturdy and fool-proof, and its application to any self-balancing Tolhurst extractor makes the operation of the machine practically automatic. The timer definitely times the period of extraction, shuts off the power and calls the operator from his other duties by a ringing bell and a lighted light. On the direct motor driven type of machine, the timer also applies the brake. The timer is of special interest because of the fact that it consumes practically no power. The only power consumed is that used for ringing the bell and lighting the light and the brake which the timer sets on the direct motor driven machine is of the self-locking band type and consumes no power.

The Tolhurst Machine Works will also have on exhibition one of their patented centrifugal automatic motor clutch pulleys. These pulleys are for use when the extractor is driven by an individual motor located in place of the regular countershaft. This pulley allows the use of motors with lower rating and insures smoother and more satisfactory operation of the machine. Acceleration is smooth and rapid. Belt slip is eliminated. Belts therefore wear longer. The motor may be thrown directly across the line, because it is allowed to start at no

load and jumps almost instantly to from 90 to 95 per cent of full load speed. This does away with the necessity of complicated starting equipment and therefore reduces initial cost.

Another important feature of the pulley is the fact that its use allows the customer to use a standard stock motor in place of the specially wound high starting torque elevator type motor formerly used.

The Tolhurst Machine Works will be represented at the International Textile Exposition by their sales manager, R. K. Cheney, their industrial engineer, T. M. Stuart, John McKeon and E. R. Rhodes.

## E. I. du Pont de Nemours & Co.

In connection with the International Textile Exposition, to be held at Boston towards the end of October, the du Pont Company plans an exhibit which will show by actual processes the fastness of American dyes. Numbers of cotton dresses have been made up in duplicate. One set of dresses remains as originally dyed, while the other set, duplicates of the first, have been washed repeatedly, some of them as many as fifty-five times. How the dyes stand up after these repeated washings can be seen when the washed dresses are compared to those which were not put through the laundry. A washing machine will also be installed in the booth and the washing process carried out

during the exposition so that visitors may see how American dyed goods actually stand up, in so far as color fastness is concerned, while being put through laundry processes.

Fast colors on woolen goods will also be shown.

## The J. B. Ford Co.

The following representatives of the J. B. Ford Company, manufacturers of Wyandotte textile soda, Wyandotte concentrated ash, and Wyandotte kier boiling special, will be in charge of Booth No. 434, Dept. E, at the International Textile Exposition, to be held in Boston, October 29 to November 3: F. S. Klebart, of the Wyandotte office; F. S. Taft, of Boston; J. F. Flaherty, of Providence, and J. A. Morris and J. W. Turner, of Philadelphia.

## The Mathieson Alkali Works, Inc.

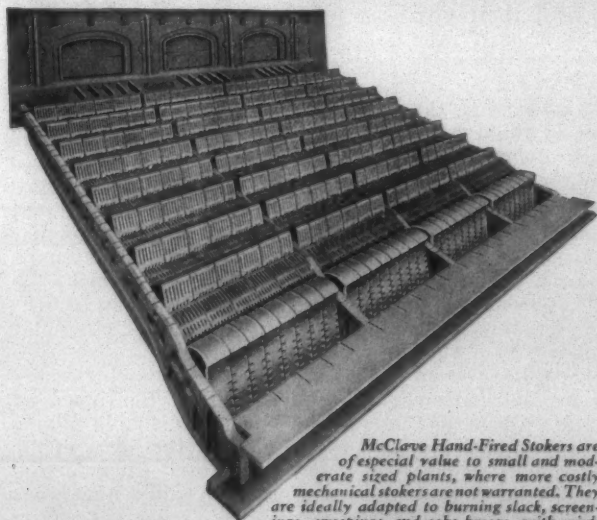
The Mathieson Alkali booths will be Nos. 206, 207 and 208, the same space occupied by them at previous Chemical Expositions, and on this space they will have erected a special booth.

They will exhibit their model bleach plant for paper mills, showing the preparation of bleach liquor from liquid chlorine by the Mathieson system. They will also have in their booth their 100 and 150-pound cylinders of liquid chlorine, samples of caustic soda, soda ash, bleaching powder, modified Virginia soda, bi-

(Continued on Page 34)

## Industries whose Leaders Save with McClave Combustion Systems

### II—RAILROADS



McClave Hand-Fired Stokers are of especial value to small and moderate sized plants, where more costly mechanical stokers are not warranted. They are ideally adapted to burning slack, screenings, sweepings and coke breeze, with minimum labor in cleaning fires. Made with brick-lined dead plates. Both the stationary and the kicker grate bars have removable sectional tops. Unusually strong construction throughout.

These railroads have installed McClave Combustion Equipment:

Pennsylvania  
Philadelphia & Reading  
Great Northern  
C. R. I. & P.  
C., T. H. & S. W.  
New York, Ontario & Western  
Fort Wayne & Northwestern  
El Paso & Southwestern  
Toledo & Indiana  
—and many others

#### Branch Offices or Representatives:

Birmingham	Greensboro	Owensboro
Boston	Greenville	Philadelphia
Buffalo	Memphis	Pittsburgh
Chattanooga	Milwaukee	Salt Lake City
Chicago	Nashville	St. Louis
Cleveland	New Orleans	St. Paul
Columbus	New York	Syracuse
Dallas	Omaha	Topeka

THE leading railroads have always had an eye to economy. They were quick to realize that many dollars can be saved each year by adopting modern methods in burning the lower priced coals under their shop and power-plant boilers.

As a result of their efficient performance, McClave Combustion Systems have found a wide application in the railroad field.

McClave Products are designed, manufactured and assembled in one plant—the largest in the country devoted to the exclusive production of solid-fuel burning appliances.

An interesting series of bulletins giving very complete information on all McClave Products will be mailed at your request.

## McCLAVE - BROOKS COMPANY

Sole Makers of the Famous McClave Grates Since 1883  
Scranton, Pennsylvania

# McClave COMBUSTION SYSTEMS for greater economy



# HOUGHTON

## HOUGHTON'S WARP CONDITIONER

*An Advertisement by Chas. E. Carpenter*

**H**OUGHTON'S WARP CONDITIONER is the last word in this character of product. It is new, yet not revolutionary. It possesses all of the merits of the softeners and tallow products which have gone before, plus those niceties of refinement or improvements which make the up-to-the-minute product which it is. It is the result of evolution rather than of revolution. It is the natural consequence of years of experience and unsparing research.

It is one thing to add the desired weight to the yarn in the size and quite another to carry that weight through every process to the finished cloth. HOUGHTON'S WARP CONDITIONER will actually do this. And it will do it better than any other product.

How do we know this?

The Houghton Research Staff obtained the cooperation of six friendly mills, and it was agreed to make an extensive practical test of the principle products used in combination with the starch and size in the conditioning process. But to identify these products only by number, so that in the operation there would be no prejudice on the part of those making the practical test.

The result was 100 per cent in favor of HOUGHTON'S WARP CONDITIONER.

The reader will thus appreciate that HOUGHTON'S WARP CONDITIONER is not a theoretical or laboratory product, but one which has been perfected with the aid and cooperation of the practical mill man.

Not the least of the important properties possessed by this product is its ability to add additional strength to the warp and thus reduce breakage to a minimum heretofore unheard of. This is due to the extraordinary

penetrating power and adhesive strength of the CONDITIONER.

It carries the size into the heart of the warp and holds it there, while it also holds the fibres tighter together.

The bleaching and finishing process which reveals the defects of the older type of softeners has no terrors for HOUGHTON'S WARP CONDITIONER, for by its use the defects so generally developed by these processes are reduced to an inconsequential item.

When we were seeking a name for this improved product, for it is an improved product rather than a new one, a mill man suggested that we call it MILL HAPPINESS, as he claimed that it would relieve the average mill man of his greatest worries and make mill life for everyone happier all around.

We might have adopted the suggestion were it not for the fact that the name might mislead some to believe that the product was a quack remedy or secret compound. We are more than anxious that the mill man should realize that we are not dealers in nostrums. Our products are the result of scientific research and not compounds composed of a little of this and a little of that put together by some rule of thumb method.

HOUGHTON'S WARP CONDITIONER is a product which the mill man has wanted for years. At times the softeners and tallow products have come close to supplying the want only to fail in some one or more important detail. This product fails in none.

We feel that a personal interview with one of our representatives will be far more satisfactory than correspondence on this product, and therefore we would suggest that you 'phone or drop a note to the nearest address given below, so that the next time our representative goes over your territory he will make it a point to call on you.

'Phone or write the note now, while it is fresh in your memory.

### E. F. HOUGHTON & COMPANY

Works: Philadelphia—Chicago

ATLANTA, GA.  
8 Courtland St.  
Phone: Walnut 2067

GREENSBORO, N. C.  
P. O. Box 81  
Phone: 1990

GREENVILLE, S. C.  
511 Masonic Temple  
Phone 2316

ST. LOUIS, MO.  
418 N. 3rd St.  
Phone: Olive 3559

Allentown, Pa., Baltimore, Md., Boston, Mass., Buffalo, N. Y., Cincinnati, O., Cleveland, O., Davenport, Ia., Denver, Col., Detroit, Mich., Harrisburg, Pa., Hartford, Conn., Indianapolis, Ind., Kalamazoo, Mich., Los Angeles, Cal., Milwaukee, Wis., Newark, N. J., Pittsburgh, Pa., Portland, Me., Portland, Ore., San Francisco, Cal., Seattle, Wash., Syracuse, N. Y., England, Ireland, Scotland, France, New Zealand, Australia, Norway, Spain, Belgium, Japan.

*Oils and Leathers for the Textile Industry*



### How Industrial Democracy Helps Mill Workers.

(Continued from Page 9)

something that had taken place that had revolutionized his home life. There are dozens of men in our organization who from a mere haphazard living have been brought into relationships with their associates and in their home lives that have meant more to them than all of the money in the universe.

I do not claim for a moment that industry can start in and grow overnight like a mushroom, into an atmosphere in which you can safely introduce industrial democracy. Democracy is a dangerous thing unless it is governed by the right spirit. It requires education; it requires application; it requires concentrated thought and study; and I could not be true to my associates or myself if I did not also tell you that it requires another element—namely, faith.

If those who enter into it, do so with a whole heart and with the right spirit, it does not make so much difference what system they may devise for carrying it out, or what problems may arise in its construction. If they will be honest with each other, have charity toward all, lay their cards on the table, deal in facts, and be straight and fair with each other, there is absolutely nothing to fear from it.

Problems can always be met in that spirit better than they can without it, and I believe that I state the plain and simple truth when I tell you that unless or until Amer-

ica comes to that kind of a solution in its problems, and until the nations of the world have that attitude in their dealings with each other, we are not going to have any peace or satisfaction, and the farther we go in the other direction the more dangerous it is going to be.

The first time I was ever invited to scan a Rotary Creed, the first time I ever came into the fellowship that flows around a Rotary table, there came to my mind this thought, "What an influence, what an instrument for good, Rotary will be one of these days when we can bring this spirit to the council tables of our industries and into our legislative bodies so that all relations between man and man can be conducted in a sportsmanlike and democratic atmosphere." To that end, it seems to me, it is our responsibility to formulate some definite expression that will convey to the world Rotary's conception of a true ethical standard that should govern employer and employee relationships.

One answer to it is Industrial Democracy.

### Cotton Mill Costs.

Although the cotton manufacturing industry of the United States ranks with the largest and most important of American industries, very few, even of the largest mills, have a modern cost control system. One reason is that a large number of mill treasurers and managers have gained the impression that cost ac-

counting requires a lot of red tape. Consequently, many mills still cling tenaciously to the old fashioned methods of accounting, under which there is an inventory at the beginning of the period and to which is added purchases and manufacturing costs. It is then necessary to take another inventory at the close of the period in order to determine the cost of sales and reveal the profits earned.

Mr. Musgrave states that the principles used in the determination of costs in the textile industry are the same as those in other industries. "Under the point production method, the product the measured at a given process and direct labor and burden costs of all prior processes in a department are applied against the production at that point, in arriving at a cost per unit of production. The theory is that each unit of production passing through the production point must have previously passed through all the other processes."

After charting the distribution of duties in a cotton mill and the general organization of a plant, Mr. Musgrave successively treats of standard costs, direct material control, direct labor, production reports, burden, predetermination of cost by style, sample cost sheet, a chart of accounts to be used in the supplies and repair department, a chart of accounts kept in the general ledger, and a monthly operating and profit and loss statement.

This article is characterized by its definiteness and its clear and valua-

ble treatment of a number of interesting cost problems that arise in a cotton mill. Copies of this pamphlet may be procured from the office of the Secretary, National Association of Cost Accountants, 130 W. 42nd St., New York. The price per copy to non-members of the association is seventy-five cents.

### British Piece Goods Data Corrected.

The value of British exports of piece goods was given as dollars instead of pounds sterling on page 749 of the September 17 issue of Commerce Reports. The sentence should read: "Exports of piece goods during the period August 1, 1922, to August 1, 1923, totalled 4,309,658,700 square yards, valued at £142,254,364, compared with 3,808,576,700 square yards, worth £136,026,206, in the cotton year 1921-22."

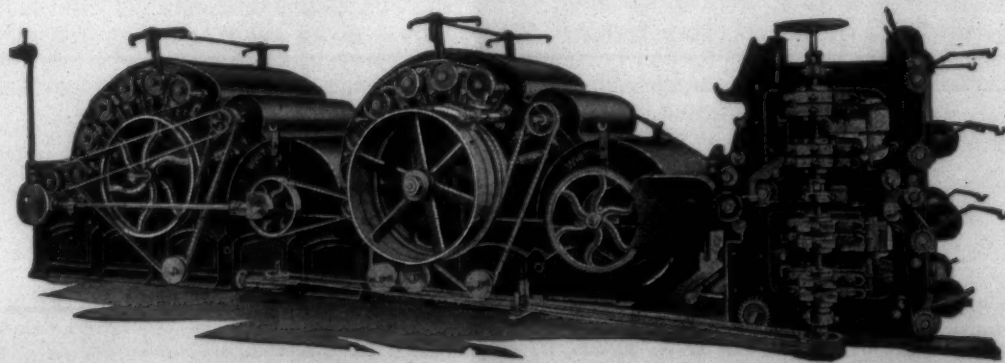
### French Wool Combing and Textile Industries Active.

Combed wool has been very active in spite of high price levels and fluctuating exchange; a good amount of business is being done; and the demand tends to become general for all grades of this commodity. Trade in the wool-spinning industry is only mediocre and operations continue at a reduced rate. On the other hand, the manufacture of textiles is fairly active. There is a very good demand for spot cloth for export, and new orders are reported as being placed in good quantity on the basis of a high current price level.

## WHITIN MACHINE WORKS

ESTABLISHED 1831  
TEXTILE MACHINERY

Manufacturers of Complete Condenser Plants for Wool and Cotton  
Waste Yarns



Intermediate and Finisher Cards with Four-Bank Condenser

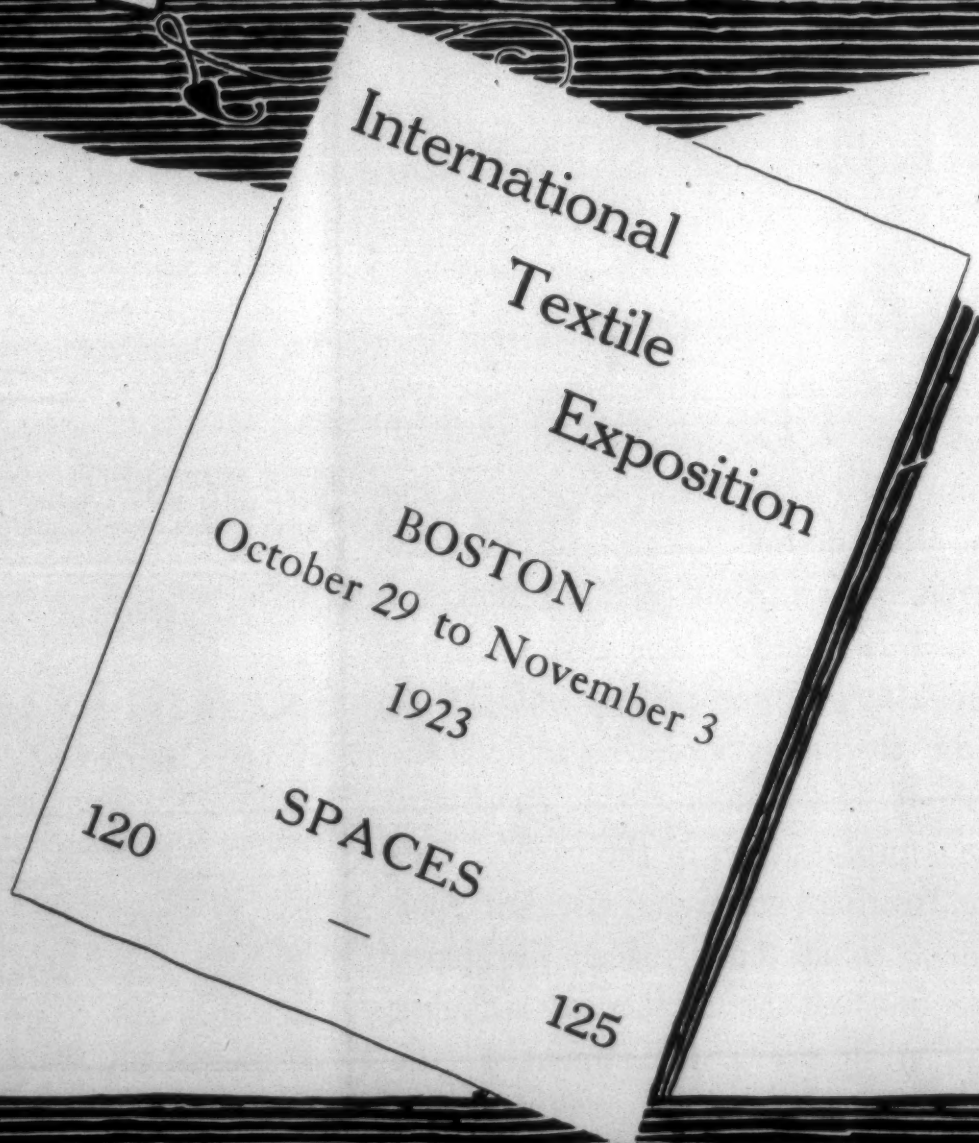
MAIN OFFICE AND WORKS  
**WHITINSVILLE, MASS., U.S.A.**  
SOUTHERN OFFICE CHARLOTTE N.C.



# Automatic Spooler

Equipped with Weavers Knotter

# High Speed Warper



## Barber-Colman Company

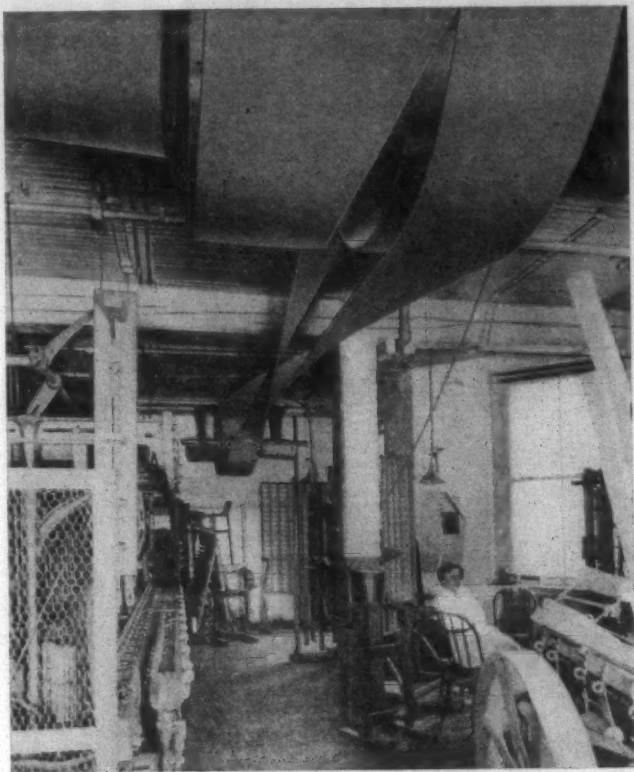
ROCKFORD - ILLINOIS

BOSTON, MASS.

GREENVILLE, S.C.



## Forty Years of Faithful Service



Here is a Ladew Flintstone that has been on the job forty years. Through all this long life of service it has carried the load in a textile mill where uninterrupted performance is a great consideration.

Edward R. Ladew Company, Inc., has been making leather belting since 1835, and today the name "Ladew" stands in the very front rank among the successful belting manufacturers of the world. This position, won by adherence to high business ideals which have placed the user's satisfaction first at all times, is being maintained in every department of the Ladew organization.

**Complete Stocks Carried at J. M. Tull  
Rubber & Supply Co., Atlanta, Ga.**

### Edward R. Ladew Co.

INCORPORATED

29 Murray Street, New York

## WHO'S WHO AMONG TEXTILE SALESMEN

**R. I. DALTON.**  
(Whitin Machine Works)

In 1920, Stuart W. Cramer, who was at that time Southern agent of the Whitin Machine Works, prom-

two of the 1902 graduating class. Mr. Cramer allowed the college to select the boys, and one of them, R. I. Dalton, is now joint Southern Representative of the Whitin Machine Works.



R. I. DALTON.

"Bob" Dalton started with Mr. Cramer as a draughtsman but was afterwards sent to the Loray Mills to get practical experience.

He returned to the Cramer organization with the inquiry department and was then promoted to mill architect and later to mill engineer. During his connection with these departments they made plans for or reorganized 154 plants. Later he became a salesman and upon the retirement of Mr. Cramer was appointed one of the Southern agents with North Carolina and Virginia as his territory.

Bob was born at Danbury, in the mountains of Stokes County, N. C.

He married a daughter of Jas. P. Gossett, of Williamston, S. C., and has two children.

Few men enjoy as much of the confidence and high regard of their College of North Carolina to take customers as does R. I. Dalton.

**J. T. McADEN.**  
(Paulson, Linkroum & Co.)

J. T. McAden, or as he is universally called Buck McAden, is of a family that has long been identified with the cotton manufacturing industry of the South. He was born at the McAden Mills, McAdenville, N. C.



J. T. McADEN.

University of North Carolina and then at the Philadelphia Textile School, after which he worked at the McAden Mills for several years.

During the World War he was captain in the Engineering Division of the Ordnance Department, with duties relating to textile equipment and the manufacture of same.

After the war he became a yarn salesman in the New England territory and was so successful that he attracted the attention of William Whitman & Co., and was secured by them as a salesman.

Desiring to return South, he made a connection about two years ago with Paulson, Linkroum & Co., of New York, one of the most prominent yarn merchant firms, and is now in charge of all of their territory south of Maryland.

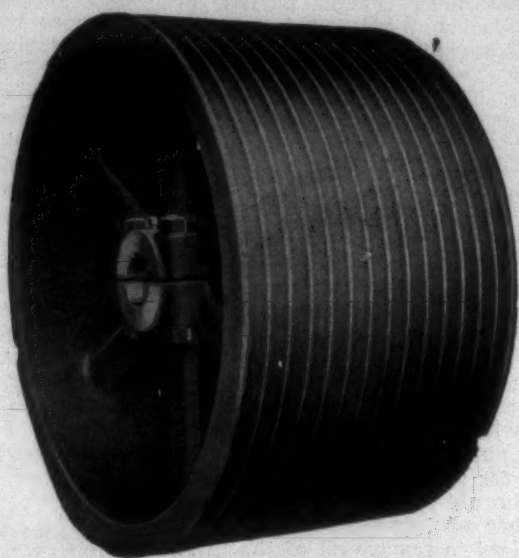
Having textile knowledge, practical experience and a wide acquaintance, he has done a very large volume of business both in buying and selling yarns.

He is a member of the Charlotte Kiwanis Club and a director of the McAden Mills. He is married, has two children and is building a new home in Charlotte.

**Clark's Directory of Southern Textile Mills**  
Contains Complete data relative to Southern Mills  
Pocket Size Revised Twice Yearly

**CLARK PUBLISHING CO.**  
CHARLOTTE, N. C.



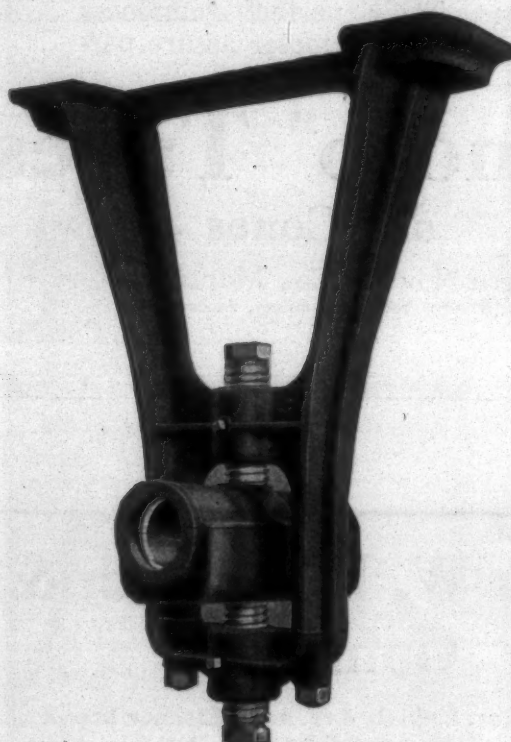


## If You Propose Transmitting Power

By

Belting or Rope

If Service is LIGHT or HEAVY



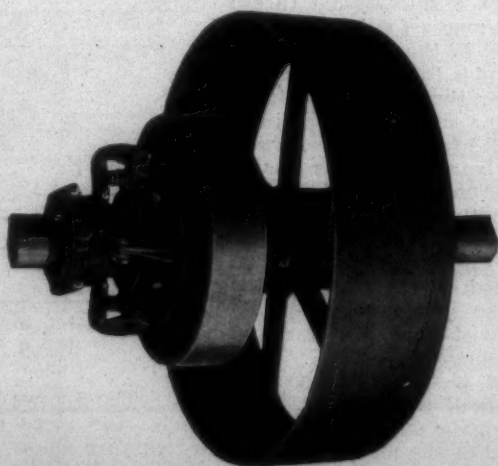
If Speed is HIGH or LOW

WHATEVER YOU CAN  
the conditions under select suitable  
which Machinery Appliances for the  
must operate purpose

From

The **W. B. WOOD** Line  
SONS CO. Of

Power Transmitting Machinery



For Cotton Mills, Lumber or  
Paper Mills, in fact any plant  
that operates machinery.

For advice regarding the selection and  
arranging of those types of appliances best  
suited for your particular conditions we offer  
the benefit of our 66 years' experience in  
producing this line exclusively.

**T. B. WOOD'S SONS COMPANY, Chambersburg, Pa.**

MILTON G. SMITH, Southern Sales Agent, Greenville, S. C.







## Rigid!

Unyielding Rigidity, from end to end, is the outstanding feature of Sonoco Solid-Wound Cloth Tubes. Their perfect roundness and uniform diameter assure perfect rolls.

## "Sonoco" Tubes and Cones

Southern Novelty Co., Manufacturers  
(Sonoco Products Company, Successor)

Hartsville

South Carolina

## John W. Hepworth & Company

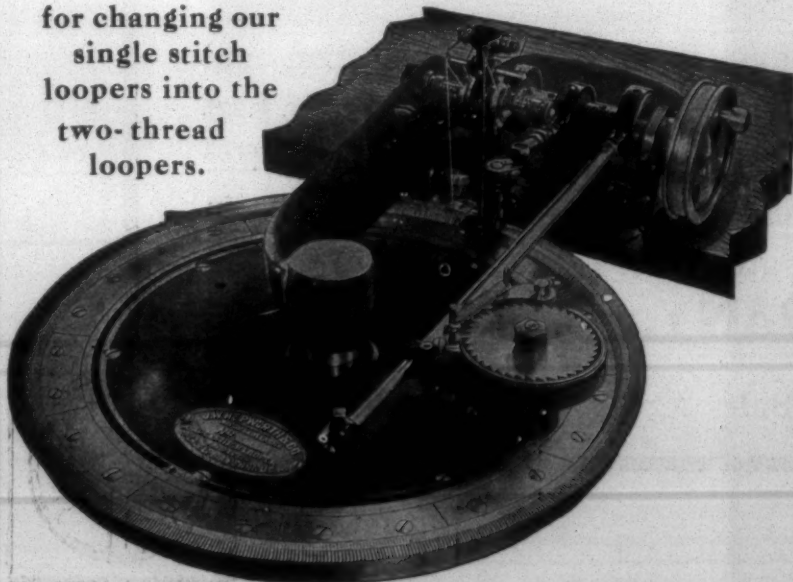
N. W. Cor. Lehigh Ave. and Mascher Street  
PHILADELPHIA, PA.

Makers of

Two-Thread Elastic Lock Stitch Looper

Also Attachments

for changing our  
single stitch  
loopers into the  
two-thread  
loopers.



## Knit Goods

### Ascertaining the Twist in Yarns.

In making an analysis of a sample of knit fabric for the purpose of reproducing an order of the goods it is necessary to ascertain the amount of twist which has been put in the yarns. The soft-twisted threads for knit goods represent one extreme of twist in yarns, while the hard-twisted sewing threads represent the other extreme. Between these two extremes of soft and hard-twisted yarns are those used for fabrics woven on looms. As we have a sample of knit goods under consideration, we are concerned only with the first mentioned class of yarn in which fewer turns of twist are used than in any other yarn.

The processes of ascertaining precisely how many turns of twist have been put into any yarn is not difficult, for a strand of a given length can be untwisted by hand and the number of turns noted which are required to remove all of the twist and leave the fibers as straight as they were before spinning. There are also several types of first class twist counting devices available for this service. But it requires ability and experience to reproduce the yarn with just enough twist to prevent the filaments slipping by each other for lack of twist or for getting so much twist in the yarn that the finished knit goods will be harsh to the feel. If too much twist has been put in the yarns, it is possible to prevent the yarn from kinking by steaming it. But if too little twist has been put in and breakages are frequent on the needles there is no very effective remedy. Various sizing composition, made chiefly of starch, flour, glucose, or chloride of calcium are used to give a soft-twisted thread sufficient firmness for knitting, and are removed in the wash.

But this adds to the cost of manufacture, for the yarns have to be run through a sizing tank, dried and rewound, all of which makes waste of valuable yarn as well as loss of time. If too much sizing is put on the threads they will have a tendency to be stiff and warm water will have to be used to make them pliable enough to pass through the latches of the needles. Consequently, proper twist in knitting yarns at the start is important.

### The Analyst is Often Deceived by Length of Staple Used.

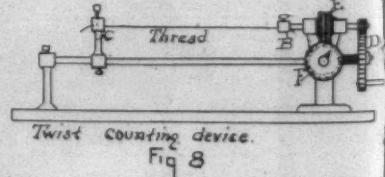
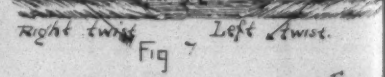
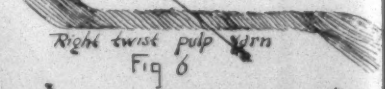
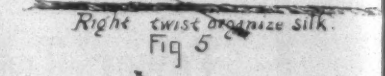
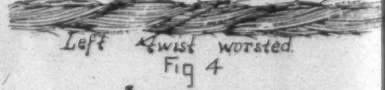
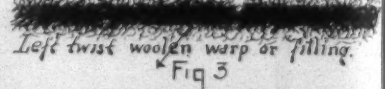
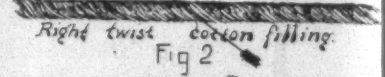
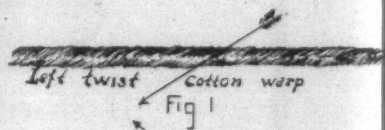
Even when the superintendent or other official of the mill gets a correct analysis of the twists in the threads of a sample, his calculations may be changed by a difference in the length of staple used in the sample and in the yarns ultimately spun to reproduce the order of goods. In a case known to the writer, the superintendent estimated 15 turns per inch in a single cotton yarn spun from a staple of  $1\frac{3}{4}$  inch. When the manufacture of the goods began, there was no cotton on hand of this length of staple and a batch was used composed of  $1\frac{1}{4}$  inch

staple. If the number of turns per inch had been increased with the reduction in the length of the staple, the yarns would have received the proper twist. As it was, the shorter staple resulted in a yarn which was lacking in strength and considerable trouble was experienced in knitting the goods. When finished, the texture was too loose and flimsy. In considering the twist in knitting yarns, the length of staple should be as carefully estimated as the number of turns per inch in the thread.

### Direction of Twist.

Cotton yarns are twisted both ways, that is, with the left twist for warp as shown in Figure 1 and the right twist for filling as in Figure 2.

The samples are shown in enlarged form about as they appear when examined beneath a magnifying



glass. The arrows point the direction of the turns or twists. In woolen yarn shown in Figure 3 the direction of the twist is not so easy to define for the reason that the fibers appear to be in a mixed or straggling order, although there is perfect regularity in the arrangement. The separate filaments are not adjusted in exact parallel form but there are system and order in the combination and woolen thread will knit as well as cotton or worsted. Almost always both warp and filling woolen yarns are spun with the left twist, although the right

(Continued on Page 28)



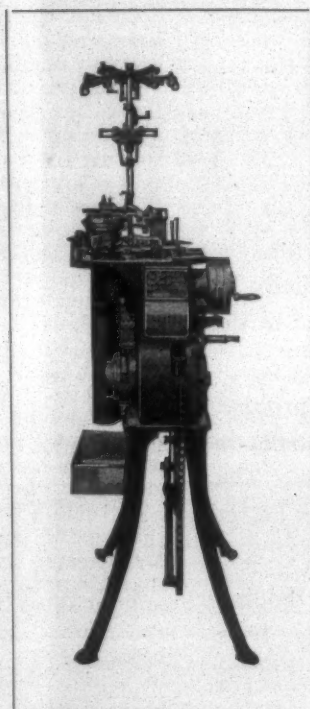
# BANNER

FULL AUTOMATIC

## HOSIERY MACHINES

Speed  
Simplicity

—  
All  
Sizes



Production  
Quality

—  
All  
Guages

We are now prepared to make prompt deliveries on two new models, the *Banner Spring Beard Needle* and the *Banner Split-Foot* machines, built in sizes 3 1-4" 3 1-2" and 3 3-4", either 48 or 54 gauge.

## HEMPHILL COMPANY

MAIN OFFICE AND PLANT  
PAWTUCKET, R. I.

PHILADELPHIA OFFICE

Colonial Trust Bldg.  
Rooms 208-9-10

CHATTANOOGA OFFICE

James Building  
Rooms 912-13



# Douglas Crown Starch

*evenly penetrates and gives  
a smooth pliable finish*



A thin boiling starch—absolutely uniform and equally as pure from foreign particles as the edible starch used in the home.

In addition to being manufactured by our special process, Douglas Crown Starch is finally bolted through silk in order to produce a finished starch absolutely uniform. The result is the most perfect working quality starch—a better starch cannot be made.

Years of experience in the manufacture of thin boiling starch and study of its use by the Textile Trade, have enabled us to produce the most satisfactory thin boiling starch offered.

We now offer Douglas Starch in the following grades—all made by our special process:

## DOUGLAS CROWN STARCH

(a refined thin boiling starch)

## DOUGLAS PEARL STARCH

## DOUGLAS POWDERED STARCH

## DOUGLAS WARP SIZING STARCH

## DOUGLAS LION MILL STARCH

Our representative will promptly supply samples and full information. Write to

## PENICK & FORD, Ltd., Inc.

Manufacturers of Corn Products

CEDAR RAPIDS, IOWA

or to any of the following offices:

New Orleans, La.  
Montgomery, Ala.  
New York, N. Y.

Southern Representative  
G. L. Morrison  
Greenville, S. C.

N. E. Representative  
Marble-Nye Co.  
Boston and Worcester,  
Mass.

## Dinner in Honor of Colonel Springs and Edwin Farnham Greene

More than two hundred guests, representing every phase of the Southern textile industry, attended a dinner Wednesday night at the Charlotte Chamber of Commerce, the event being in honor of Col. Leroy Springs, of Lancaster, S. C., and Edwin Farnham Greene, head of Lockwood, Greene & Co. The gathering was of peculiar interest to textile men because it brought together Colonel Springs, long known as one of the leading manufacturers of the South and until recently head of the Lancaster Mills, and Mr. Greene, who directs the organization that recently purchased the Lancaster Mills.

Colonel Springs, who from a small beginning built up one of the greatest mill organizations in the South and whose career as a manufacturer has been one of the most interesting in this section, is now retiring from active participation in mill operations, remains as one of the outstanding figures in the history of cotton manufacturing in the South. The dinner, at which he shared honors with Mr. Greene, was a marked tribute to the esteem in which he is held by his friends in the Southern textile industry.

Edwin Farnham Greene, as head of Lockwood, Greene & Co., directs the affairs of an organization that is now the largest single operator of cotton mills in the South. His company now controls, including construction work under way, more than 800,000 spindles in the South. Mr. Greene, by virtue of the fact that his organization operates large mills both in New England and in the South and has recently purchased several of the largest mills in South Carolina, occupies a position of unusual interest in the textile industry in that he is intimately acquainted with conditions both in the East and the South is in an authority upon the relative advantages of both sections.

David Clark, editor of the Southern Textile Bulletin, acted as toastmaster at the dinner. He called upon W. H. Wood, president of the American Trust Company, to introduce Colonel Springs. Mr. Wood paid tribute to Colonel Springs as one of the leaders of Southern progress and held him up as a builder of industry who has had a tremendous share in furthering the progress of the South.

Colonel Springs, in responding, said:

"I am most happy to be with you, and proud to have my share in doing honor to the distinguished gentleman from Massachusetts, who is not only head of the largest textile mill interest in New England, but is now head of the largest cotton mill interests in the South, including the recent merger of my mills with several of his.

"It was here, in Charlotte, almost forty years ago, that I served my apprenticeship in the mercantile business, rising early and working late, doing everything from loading

flour, meat and lard from the wholesale grocery to peddling coffee, tobacco and snuff through the mountains of North Carolina and upper South Carolina. Later business called me back to my native State, South Carolina, where shortly afterward the textile manufacturing industry attracted my attention and interest.

"This interest was an inherent one, as my ancestors were largely interested in the textile industry, my grandfather, John Springs, and my father, A. Baxter Springs, being among the original organizers and directors of the great Graniteville Manufacturing Company of South Carolina, which was one of the first, largest and most progressive mills in the United States before the Civil War.

"The mill business has been an absorbing occupation to me. From the days when the industry was in its infancy in the South until today when the cotton goods factories are in the zenith of their real development with a brilliant future, I have never ceased to believe in the unsurpassed advantages and unexcelled opportunities which the Carolinas have to offer. And so it is from no diminution of interest, and from no lack of implicit confidence in the future of the textile development that I am retiring from the active management of cotton mills.

"Rather, I felt that, like the village blacksmith, I had 'earned a good repose.' The history of my business career is largely the history of uninterrupted and unending labor with days crowded with tasks and sleepless nights filled with thoughts and plans for the coming days. And so, I determined to try to emulate the example of certain of my esteemed friends in Charlotte by arranging so that I could find time for a little play—such as a frequent game of golf and an occasional pleasure trip.

"Therefore, when an offer came from Mr. Greene of Lockwood, Greene & Co. for the merger of my mill interests, I am availing myself of the opportunity to turn over the management to this successful firm of engineers, already large owners of manufacturing interests in the South. But I wish to take this opportunity of saying that the transfer means in no way that my interest in the textile development of the Carolinas has decreased. I have considerable holdings in these mills still, and shall never cease to be personally vitally interested in the success of these mills and continued development of the industry.

"And so, this evening, although I have recently passed on to others some of the cares and responsibilities, as well as the wonderful opportunities connected with the active management of a large number of spindles, still my heart will always be with you in your great plans for the future of the Carolinas and of Charlotte.

"In closing, I wish to thank you



for all of your kindness—not only this evening—but throughout the years. Charlotte is very dear to my heart, and I hope in the future to have more leisure for meeting my friends here than I have had in the past."

W. S. Lee, president of the Southern Power Company, introduced Mr. Greene as one of the leading cotton manufacturers and engineers in America.

Mr. Greene, after expressing his appreciation of the honor paid him by the gathering, took occasion to praise Colonel Springs as a manufacturer, a community builder and as a warm personal friend.

In addressing his hearers, Mr. Greene stated at the outset that he wanted to make it perfectly plain that he, as a representative of the Lockwood-Greene organization, wished the business men of the South to feel that his company enters into larger operations in the South, not as a stranger, but as an organization which by work and association, is as much a part of the South as of New England. "As the mouthpiece of the Lockwood-Greene organization," he said, "I wish to impress upon the textile interests of the South that we have come among you to become one of you and that our organization is as much interested in the development of the industrial South as the Southern men are."

Continuing, Mr. Greene stated that in common with Colonel Springs, he came of a family of

cotton manufacturers and engineers and that his family, as well as his business organization, had been actively identified with the textile industry of the South for many years. Mr. Greene first came South 30 years ago and later traveled through the South regularly. For some time he was active manager of the Dwight Manufacturing Company in Alabama, and it was then, he stated, that he first learned something of the South's cotton mills.

In illustrating the long acquaintance that his family has with Southern mills, Mr. Greene said that recently when at the Tucapau Mills, Tucapau, S. C., which his company has just bought, he was given a note book compiled by his father, who had charge of the construction work of the Tucapau Mills. In connection with the purchase of the Pelzer Manufacturing Company, at Pelzer, another Southern mill recently bought by Lockwood, Greene & Co., Mr. Greene recalled that the plant was designed and built by Amos Lockwood, who was later one of the organizers of Lockwood, Greene & Co.

Mr. Greene stated a great many people had been puzzled to know why his company had acquired such large mill interests in the South. "I wish," he said, "to try and make the reasons perfectly plain. In the first place, the Pacific Mills have in past years conducted all of their finishing business in their New England plants. We

have purchased these mills in the South because we feel that we will have a great advantage in being at the source of raw material and for that reason we are establishing a bleaching and finishing plant in South Carolina. Later we expect to add dyeing and printing equipment. The reason that we selected the mills we recently bought is that they manufacture goods for converting purposes which we can use in our finishing plants both in the East and later in the South."

Mr. Greene explained that the saving in freight alone by locating the mills in the South was a very material factor in inducing them to increase their Southern equipment. In time, he said, some of the larger mid-Western markets and even the New York markets for certain goods can be served by their Southern products and to better advantage than they are now served by the products of the New England mills.

"A very large percentage of the goods we finish come from our Southern mills and we therefore regard it a logical plan to locate our finishing plants in the South," he said.

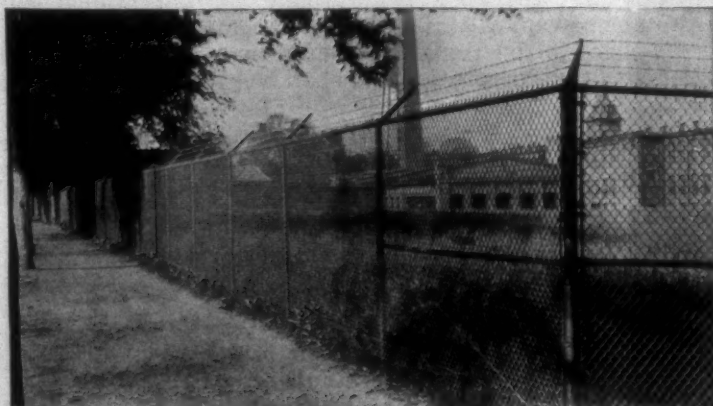
The other advantages that the South offers for cotton manufacturing were also cited by Mr. Greene as reasons for their extensive invasion of the Southern field. In regard to the longer hours of work in the South and cheaper labor, which are so often held up as the outstanding advantages of the South, Mr. Greene said that he did

not believe that they were as of great importance as is often believed. "Under present conditions," he said, "the 55-hour week for cotton mill work is as it should be." Where wages are concerned, he stated that owing to the difference in living costs in the two sections, the Southern mill worker can live as well if not better than the New England operative, in spite of the somewhat higher wage received by the latter.

High praise for the efficiency and business ability of Southern manufacturers was voiced by Mr. Greene. The wonderful progress that the mills have made in the South in the past 20 years, he said, has not been due alone to the natural advantages of this section, but to the ability of the mill men to make the best possible use of these advantages. The South first began to develop its industry in a large way about 20 years ago and the development came as a result of the training of its mill men, he said.

In taking over the mills Lockwood, Greene & Co. have acquired in South Carolina, the company contemplates no sweeping changes in the local management of the several mills. "We do not feel that we can come South and tell you Southern mill men how to run the mills better than you have been running them yourselves. We believe implicitly in the ability of Southern mill managers, superintendents and overseers and feel that the mills

(Continued on Page 27)



Fencing industrial property has proved the only practical means of safeguarding the millions of dollars invested. In other words, it pays. Yet some fence investments pay bigger returns than others.

#### CYCLONE FENCE COMPANY

Factories and Offices:

Waukegan, Ill., Cleveland, Ohio.

Newark, N. J., Fort Worth, Texas

Oakland, Cal. (Standard Fence Co.)

Portland, Ore., (Northwest Fence and Wire Works.)

## Increases Productivity of Industrial Property

Wherever you find big industry, you also find Cyclone Fence. For those keen-minded, far-sighted business men, who are writing America's industrial history, were the first to see the advantages of safeguarding property; the possible economies by preventing losses through thefts and vandalism; the greater productivity of a centralized, easily controlled factory unit.

### Cyclone Service

which is designed to bring about these desirable results in fencing will be of assistance to you in solving your fencing problem. Our factory experts will make a study of your problem, offer recommendations and furnish estimates of costs without charge.

Let Cyclone Fence and Cyclone Service combine to bring about this greater productivity in your factory. Write nearest office, Dept. 36, today and get complete information.



The "Red Tag"  
The Mark of  
Quality.

# CYCLONE FENCE

## PROPERTY PROTECTION PAYS



## Textile Students' Loan Fund, Inc.

The following incorporation papers for the Textile Students' Loan Fund, Inc., have been sent to the Secretary of State of North Carolina for incorporation. After it is incorporated and the officers elected, the work of securing donations will be started:

### Certificate of Incorporation of Textile Students' Loan Fund, Inc.

This is to certify, that we, the undersigned, do hereby associate ourselves into a corporation under and by virtue of the laws of the State of North Carolina, as contained in Chapter 22 of the Consolidated Statutes of 1919, entitled "Corporations," and the several amendments thereto, and to that end do hereby set forth.

1. The name of this corporation is Textile Students' Loan Fund, Inc.

2. The location of the principal office of the corporation in this State is in the City of Charlotte, County of Mecklenburg; but it may have one or more branch offices and places of business out of the State of North Carolina, as well as in the State of North Carolina.

3. The objects for which this corporation is formed are as follows:

(a) To aid in securing an education for needy and worthy young men and to that end this corporation is hereby authorized and empowered;

(b) To receive money, property and other things of value and to hold the same or to convert the same into money or other property.

(c) To loan with or without security, or to give, either the income, or part of the income, or the principal or part of the principal of such donations to needy young men who are seeking an education and to otherwise aid them in securing an education and in securing positions during their vacations and upon their graduation.

(d) To manage, invest and re-invest all donations in such manner as in the judgment and discretion of the executive committee of this corporation shall be most advantageous in carrying out the purposes above set forth and generally to perform all acts which may be deemed necessary or expedient for the proper and successful prosecution of the objects and purpose for which this corporation is created.

4. This corporation being solely for educational purposes shall have no capital stock. Every person contributing One Hundred Dollars to the Textile Students' Loan Fund, Inc., shall be a member of this corporation and shall be given a certificate to that effect.

5. The names and postoffice addresses of the Incorporators are:

S. F. Patterson, Roanoke Rapids, N. C.  
David Clark, Charlotte, N. C.  
H. R. Fitzgerald, Danville, Va.  
L. D. Tyson, Knoxville, Tenn.  
P. E. Glenn, Atlanta, Ga.  
J. C. Saunders, Bonham, Texas.  
J. W. Sanders, Jackson, Miss.  
T. Scott Roberts, Anniston, Ala.  
Donald Comer, Birmingham, Ala.  
Jas. P. Gossett, Williamston, S. C.  
Alex Long, Rock Hill, S. C.  
Arthur J. Draper, Charlotte, N. C.

6. The period of existence of this corporation is limited to sixty years.

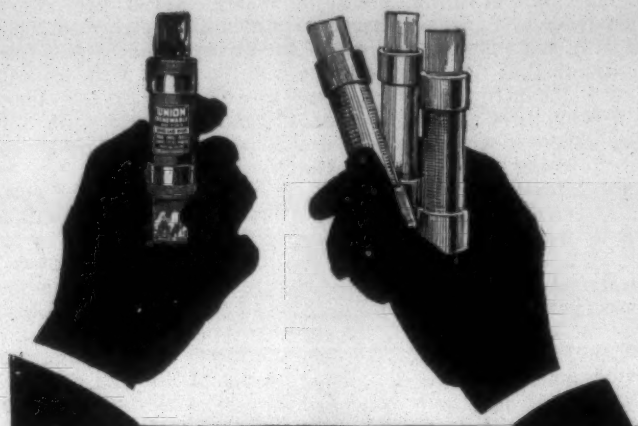
7. The members and trustees of this corporation shall not be individually, jointly, or severally liable for any act of any officer, agent or employee of this corporation.

8. The Board of Trustees of this corporation shall have power by a vote of ten of the Trustees and without the assent or vote of the members, to alter and amend the by-laws of this corporation.

9. This corporation shall be managed by a board of twelve (12) Trustees who shall be the twelve incorporators and their successors and the trustees shall hold office for life or until they resign or are removed. Any Trustee may be removed by a vote of nine (9) Trustees in favor of such removal.

(b) Upon the death, resignation or removal of any Trustee the remaining Trustees shall within thirty days cast their ballots for a Trustee to fill the vacancy. Should no one receive a majority

(Continued on Page 30)



### Which one will be the Cheapest in the End?

Lay half a dozen renewable fuses in front of you. They all look more or less alike. And they cost about the same.

The one big, outstanding difference is in the number of blowouts each will withstand. The real cost of a renewable fuse is the cost per blowout.

A \$2.80 fuse that can be blown only twice costs \$1.45 per blowout, against 22 cents per blowout for a "Union" Fuse that will withstand 24 blowouts. That's a saving of \$29.64, for you'll use but one "Union" Fuse and 23 links instead of 12 fuses and 12 links of the other kind during the same time.

Stop and figure what you could save in this way in a year by using

## 'UNION' RENEWABLE FUSES

We know, positively, that "Union" Renewable Fuses will take more punishment than any other make. And we are willing to stand the cost of convincing you of the truth of this statement.

So, if you will test one "Union" and any other three makes under the same conditions, and keep a record of the blowouts each will withstand, we will send you the cost of all four fuses if the "Union" does not endure the greatest number of blowouts and prove superior in every way.

It is a demonstrated fact that

"The 'Union' saves more than ANY other renewable fuse."

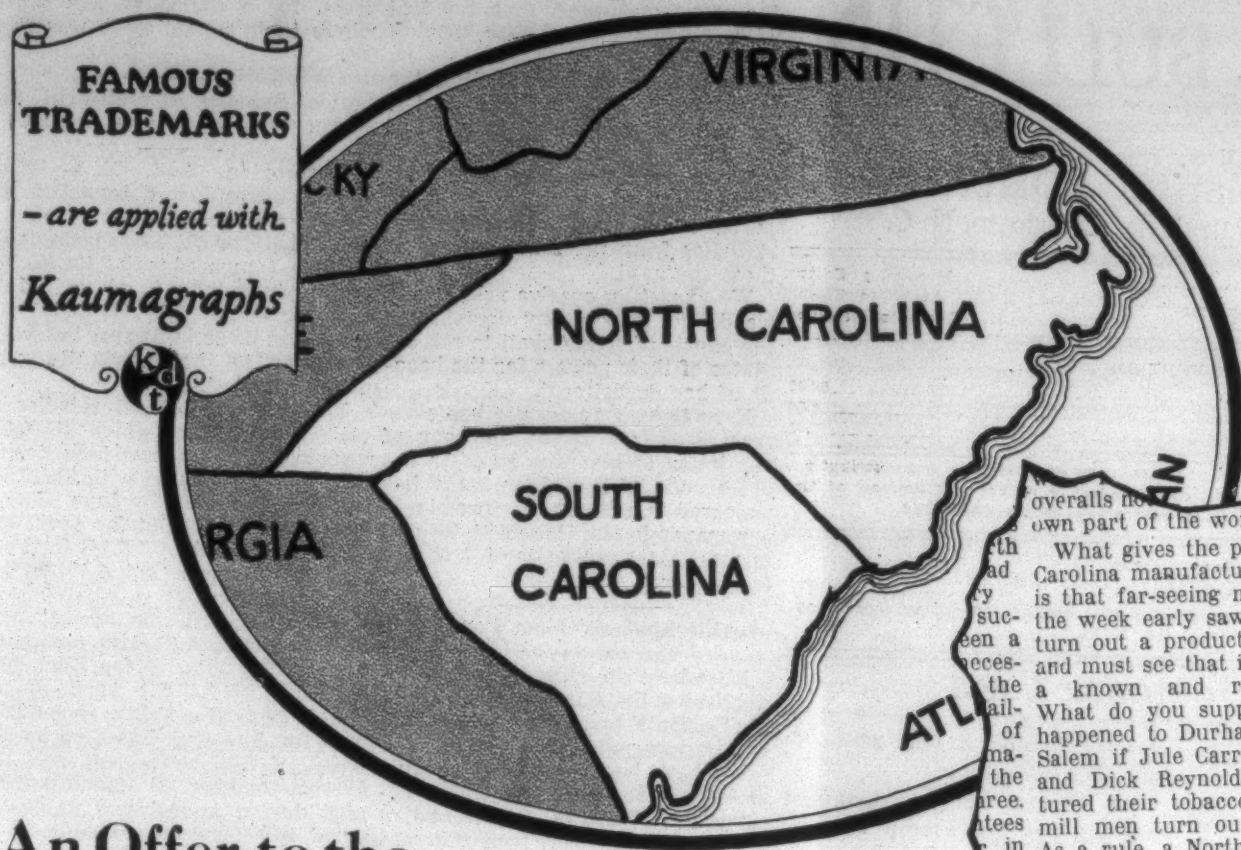
Both renewable and non-renewable types sold by electrical jobbers and dealers.

Catalog sent on request.

**CHICAGO FUSE MFG. CO.**  
Manufacturers also of Switch and Outlet Boxes, Cut-out Bases, Fuse Plugs, Fuse Wire and Automobile Fuses.  
CHICAGO NEW YORK







Excerpt from a speech  
by the Hon. Josephus  
Daniels at the Eastern  
Carolina Exposition.

## An Offer to the Mill Owners of the Carolinas

The Hon. Josephus Daniels, in a recent speech, proposed an idea which received a warm response in many hearts. He suggested that Carolina goods be unmistakably identified—so that the consumers thereof all over the earth would appreciate and prefer Carolina products.

In order to do this it is desirable that you stamp your products with "Made in Carolina"—if you make hosiery, stamp it on the toe; if you make underwear, stamp it on each garment; if you make piece goods, stamp it along the selvage. It is also desirable for the mark to be uniform—a veritable trademark of "Made in Carolina" merchandise. Today no such trademark exists. Kaumagraph Company, experts in trademarks and trademark applications, makes this offer:

We place our Organization at the service of Carolina manufacturers, to help them arrange the design of the trademark. We will send our representative to you to talk over the features that this trademark should embody. We will place our entire facilities and years of experience at your service—without charge.

The "Made in Carolina" movement is a movement so worthy of Carolina products that Kaumagraph Company will be glad to do its share in promoting the splendid idea.

KAUMAGRAPH CO., 7 East Third St., Charlotte, N. C.

Established 1903

New York, Chicago, Philadelphia, Boston, Paris, Ont., Canada, Paris, France.

For Trademarking Textiles, Silks, Hosiery, etc., use

# Kaumagraphs

overalls no own part of the world?

What gives the primacy to North Carolina manufactured tobacco? It is that far-seeing manufacturers of the week early saw that they must turn out a product second to none and must see that it was sold under a known and registered brand. What do you suppose would have happened to Durham and Winston-Salem if Jule Carr and Buck Duke and Dick Reynolds had manufactured their tobacco as most cotton mill men turn out their product? As a rule, a North Carolina cotton mill man takes an order for a certain kind of fabric and ships to his Northern purchaser without the least mark on it to show where it was made. The Chicago or New York producer gave it the name of his brand, registers it under his trademark, and makes a market for it under a name he selects. What is the result? The North Carolina manufacturer gets the smallest part of what the consumer pays, and the man who registers and advertises the stuff of our mills under his name gets not only the biggest profit but all the velvet as well. Suppose Blackwell's Bull Durham or Duke's Mixture or Reynold's Camels had been thus made and all the selling under any name left to the jobbers! What would have been the result? The Durham and Winston-Salem men would have made good money, but those brands would have brought no such wealth to North Carolina and given it no such commanding position in the tobacco to world. Why should not this exposition set for attainment the goal for all cotton mills—North Carolina the Goods to Be Sold Under North Carolina Names? That would bring the name rather than to others the earned investment of a popu



# SOUTHERN TEXTILE BULLETIN

Member of Audit Bureau of Circulations.

Published Every Thursday by  
**CLARK PUBLISHING COMPANY**  
Offices: 39-41 S. Church St., Charlotte, N. C.

DAVID CLARK  
D. H. HILL, JR.  
JACK W. COCHRAN

Managing Editor  
Associate Editor  
Business Manager

## SUBSCRIPTION

One year, payable in advance ..... \$2.00  
Other Countries in Postal Union ..... 4.00  
Single Copies ..... .10

Contributions on subjects pertaining to cotton, its manufacture and distribution, are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

## ADVERTISING

Advertising rates furnished upon application.  
Address all communications and make all drafts, checks and money orders payable to Clark Publishing Company, Charlotte, N. C.

**THURSDAY, OCTOBER 4, 1923.**

### The Cotton Situation.

In our opinion the Government estimate of 11,015,000 bales will prove to be very nearly correct.

With a world carryover of 2,500,000 bales of American cotton, it will give a total supply of 13,500,000 bales.

A consumption, of American cotton, of 12,750,000 bales is assured and that will only allow for a world carryover of 750,000 bales on August 1, 1924, which is less than one month's supply.

Last year much uncounted cotton was found on farms but that has been cleaned out and the absorption power of the farmer with his ability to hold his cotton will be heard from this season.

Under the circumstances we can see no reason to expect a material decline.

Early October has in years past proved to be a safe period in which to purchase cotton needed from October to June and the records show that in 16 out of the last 18 years the average price from October to June has been higher than that of early October.

One of the most successful cotton manufacturers of the South always bought his October to June cotton in early October and based his judgment upon the fact that it was the only period in the cotton year when there were more sellers than buyers.

It is seldom safe to buy summer cotton, for other factors enter by that time, but October to June cotton purchased in early October has

a record behind it that seems to indicate a safe policy.

The amount ginned, indicated crop and last year's crop were as follows:

		(000 omitted.)	
		Ginned to Sept.	Indicated
		25	Crop
North Carolina	156	877	879
South Carolina	191	783	517
Georgia	186	700	736
Alabama	161	741	820
Mississippi	93	752	985
Louisiana	107	340	345
Texas	2,185	4,168	3,126
Arkansas	48	926	1,010
Tennessee	2	340	385
Missouri	1	198	140
Oklahoma	64	945	637
All others	17	200	146
Total	3,215	11,015	9,729

A very striking and significant fact is that with 3,215,000 bales ginned to September 25th and 1,800,000 came into sight by October 1st. Not only are the co-operatives doing a larger business this year but the individual farmer is willing and able to hold.

Last season cotton had advanced from 14 cents and 25 cents only looked high but this season they know that those who held last season for 30 cents got that price and they are inclined to do the same.

### Meeting of Southern Textile Association.

The meeting of the Southern Textile Association at Augusta next week promises to be of more than usual interest and a large attendance is assured.

The meetings will be held at the Richmond Hotel.

### No Answer From Davis.

No answer has been received to the letter of protest that we filed with Secretary of Labor Jas. J. Davis.

We suppose he has submitted the matter to Miss Grace Abbott and is giving her time to find a way out of the hole that she is in.

We charged Miss Abbott with improper use of statistics and supported our charges with extracts of statistics from the same sources as those she used.

We expect an evasive answer and we do not expect any decrease in the efforts of Miss Abbott to rob the States of their powers for the benefit of her department.

Even though no answer has come from Secretary Davis, the copy of our letter to him was given to the press and extracts from same has appeared in almost every prominent newspaper in the United States and in most cases it was carried on the front page.

### Textile Students' Loan Fund, Inc.

Elsewhere in this issue we are publishing the Charter of the Textile Students' Loan Fund, Inc., which will be incorporated this week.

We have been working upon this matter for some time and have secured as Trustees representative cotton manufacturers from different sections of the South.

The Textile Students' Loan Fund, Inc., will solicit donations and will loan their funds to cotton mill boys who need financial aid to complete their high school education or to attend textile schools or colleges.

Through this organization we hope to be able to say that a textile school or college education is in the reach of every boy in a Southern cotton mill.

We have as yet raised no funds except a \$100 donation which was voluntarily sent in, but we believe that the cotton manufacturers of the South will contribute liberally.

### Movement to Alternate Expositions.

A movement has been started by Greenville men to alternate the Made-in-Carolinas Exposition between Greenville and Charlotte, which will also mean the alternation of the Southern Textile Exposition.

If this plan is put through the Made-in-Carolinas Exposition will be held in Greenville in the fall of 1924 and the Southern Textile Exposition will be held in Charlotte about a month later.

While we have never thought well of disturbing the present arrangements, the scheme of alternating these Expositions might not be bad.

### Refuse Tax Exemption to Alabama City.

Montgomery, Ala.—The House of Representatives of the Alabama Legislature, at its closing session here, defeated the Powell Cotton and Textile Mill Exemption Bill by nearly a three-fourths majority. By a similar majority, the bill was given successful passage in the Sen-

ate two weeks ago. The bill provided exemption for new mills, locating here within the next two years, for a period of five years, where their capital stock was \$50,000.

### Cotton Spindles Operated at 85.7 Per Cent Capacity in August.

Washington, Sept. 26. — Active spindle hours during August in the cotton spinning industry totalled 7,569,061,615, or 202 hours per spindle in place, compared with 7,135,765,590, or 191 per spindle in place in July this year and 8,033,002,129 or 217 per spindle in place in August last year, according to the Census Bureau's monthly report.

There were 37,430,195 spindles in place August 31, of which 33,708,667 were operated at some time during the month, compared with 34,237,887 for July, 34,843,421 for June, 35,390,137 for May, 35,515,791 for April, 35,500,518 for March, 35,307,707 for February of this year, and 32,491,867 for August, 1922.

During August, the normal time of operation was 27 days, compared with 25 for July, 26 for June, 26½ for May, 24 2-3 for April, 27 for March, 23 2-3 for February and 26½ days for January. Based on an activity of 8.74 hours per day, the average number of spindles operated during August was 32,075,013, or at 85.7 per cent capacity on a single shift basis. This number compared with an average of 32,657,966 for July, 36,897,371 for June, 40,192,970 for May, 40,759,979 for April, 40,389,029 for March, 40,847,845 for February, 40,008,203 for January, 34,024,205 for August and 32,217,598 for June of last year.

### Santee Mills.

Southern Textile Bulletin,  
Charlotte, N. C.

Gentlemen:

This is to wish you continued success in your most valuable publication. I think all the mills fully realize it is an asset to their business, as you have rendered such far-reaching service to the textile mills, that it will go down in history, and be a monument to your name in days to come.

Very truly yours,

R. J. Brown,  
General Manager.

Cleveland Mill and Power Company.  
Lawndale, N. C.,  
Sept. 29, 1923.

Mr. David Clark,  
Charlotte, N. C.

Dear Sir:

We are enclosing herewith check for \$2.00 in payment of subscription for Southern Textile Bulletin from April 17, 1923, to April 17, 1924.

We wish to express our sincere appreciation for your watchfulness and untiring efforts to protect Southern manufacturers from the slanders and false propaganda which are constantly being manufactured by professional agitators, both in labor organizations and in so-called "reform" and "welfare" organizations.

Yours truly,  
John F. Schenck, President.



## Personal News

J. E. Fields has become assistant superintendent of the Knoxville Cotton Mills, Knoxville, Tenn.

T. J. McNeely has resigned as superintendent of the Rex Spinning Company, Ranlo, N. C.

J. L. Dudley has become night superintendent of the W. A. Handley Manufacturing Company, Roanoke, Ala.

Samuel Atkins has been promoted from second hand to overseer spinning at the W. A. Handley Manufacturing Company, Roanoke, Ala.

D. E. Taylor has accepted the position of overseer of twisting and winding at the Bradley Manufacturing Company, Columbus, Ga.

O. L. Derk has been promoted from overseer carding to superintendent of the Marlboro Mill No. 5, Bennettsville, S. C.

Frank S. Kinsey, of Darlington, S. C., has become second hand in spinning at the Edna Mills, Reidsville, N. C.

J. B. Moore has accepted the position of overseer carding and spinning at the Rockyface Spinning Company, Stony Point, N. C.

W. D. McCombs has been appointed night superintendent of the Barrow County Cotton Mills, Winder, Ga.

N. T. Brown, formerly superintendent of the Pilot Mills, Raleigh, N. C., and who was the second president of the Southern Textile Association, paid us a visit this week while attending the Made-in-Carolinas Exposition.

### Batson-Patterson.

Louis Pinckney Batson and Miss Joanna Patterson, the latter of Ware Shoals, S. C., were married at the Methodist church at Ware Shoals on Wednesday of this week.

Mr. Batson, who is well known in the Southern textile field, is a representative of the Shambow Shuttle Company. The bride is one of the most prominent young women of South Carolina.

### Cedartown Honors Visiting Officials.

Cedartown, Ga.—Henry M. Thompson, of Wilmington, Del., president of the United States Dyeing and Finishing Company, and T. M. Joyce, of Providence, R. I., general manager of the same company, spent Monday here in order to inspect property the company recently bought in order to establish a Southern plant here. Mr. Thompson is also vice-chairman of the reserve bank of Philadelphia, a trustee of Princeton University and holds high business positions.

The Cedartown Chamber of Commerce held an informal reception

Monday evening at the Wayside Inn for the visitors and resident officials, Paul A. Merrian, manager, and John Green, master mechanic. About a hundred of the leading citizens of the city were present.

E. B. Russell welcomed the visitors: Senator W. W. Mundy briefly outlined the assets and possibilities of Polk county, naming some of the enterprises which are located in this vicinity.

Charles Adamson, who was instrumental in having the plant located in Cedartown, also made a short talk.

Mr. Thompson's response voiced his appreciation of his reception, declaring that already during his brief trip to Georgia, which is his first trip to the South, he has never before met such hospitality or had such courtesy shown him, and he was more pleased than ever over the location of his plant here, saying he looked for this to be as large as the other plants.



### Some Recommendations

COVINGTON MILLS  
Covington, Ga.

Regarding your MI CLEANSER, for SCRUBBING our FLOORS throughout our MILL.

We have not found anything that will EQUAL it. It REMOVES all GREASE, SCUM and DIRT from the Floors, and leaves them SMOOTH and CLEAN.

We think MI CLEANSER is the Best SCRUBBING-POWDER we can get. You have shipped us 1 bbl. per month since March, 1917. On contract, effective until otherwise advised from this office.

CHARLIE NICHOLS  
Pres., Treas. & Genl. Mgr.  
NICHOLS MFG. COMPANY  
Asheville, N. C., U. S. A.

### Joseph L. Davidson Co.

Established 1880

Designing Card Stamping Repeating  
FOR ALL TEXTILE FABRICS

2525 N. Second St. Philadelphia, Pa.

## Williams' Shuttles are Built For Service

Williams' Shuttles are constructed from the mill man's standpoint. It is only natural that such an appreciation of textile problems should result in a product that has unusual wearing qualities.

It is sought to make every part that enters into the construction of these shuttles perfect in itself, from the air dried wood block to the practically unbreakable springs. The result is a shuttle that operates with uniform smoothness and that exceeds expectations for durability.

An actual tryout in your mill will demonstrate the merits of Williams' Shuttles far better than we can describe them to you. Let us send you some samples for this purpose. If you have any question with regard to shuttles our staff of shuttle experts will be very glad to help you.

## The J. H. Williams Co.

*The Shuttle People*

MILLBURY,

MASS.

Geo. F. Bahan, Southern Representative

Wire Heddles

Heddle Frames

## Cotton Bleachers!

Would you improve your goods if without additional cost?

Show samples of Solozone-processed cottons to your Agent;

Let him be the judge.

He will be delighted with permanently white goods that have not suffered in strength, softness and elasticity.

## The Roessler & Hasslacher Chemical Co

NEW YORK



# MILL NEWS ITEMS OF INTEREST

**Anniston, Ala.**—Anniston Manufacturing Company has awarded humidifier contract to the Bahnson Company, Winston-Salem, N. C., for their new addition and complete installation of old mill. J. E. Sirrine & Co., engineers.

**LaGrange, Ga.**—The Dunson Mills, LaGrange, Ga., has placed their humidifying contract with the Bahnson Company, Winston-Salem, N. C., for the new addition to their mill now under construction. J. E. Sirrine & Co., engineers.

**Fries, Va.**—Washington Mills has signed contract for a large number of Bahnson humidifiers to supplement their Bahnson system and replace all of their high pressure spray heads.

**Tallassee, Ala.**—Construction activities on improvements to the Tallassee Cotton Mills and adjacent properties, which work will aggregate approximately \$25,000, began last week. In addition to various improvements to the mill, new tenant houses are being erected.

**Anniston, Ala.**—Anniston Manufacturing Company has awarded contract to Gallivan Building Company for the construction of two additional stories to its present one-story mill building. The equipment will be rearranged and new machinery in carding will be added. J. E. Sirrine & Co. are the engineers.

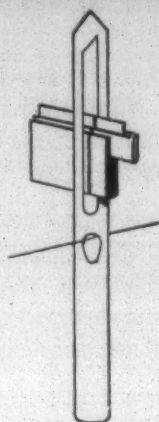
**Graniteville, S. C.**—Bids for the construction of a dye house and finishing plant have been asked for by the Graniteville Manufacturing Company, according to information obtained. The new plant will be of reinforced concrete of daylight construction, containing one story and part basement. The specifications call for a structure 371 feet long and 124 feet wide.

**Asheboro, N. C.**—The Central Falls Manufacturing Company is building a dam near their plant at Central Falls, to develop hydro-electric power. It is expected that 400 horsepower will be developed. The power will be utilized by the Central Falls Mill. The cost will be approximately \$450,000. The Central Falls Mill has 10,000 spindles. C. J. Cox is president and Irvin Cox secretary and treasurer.

**Dallas, Tex.**—J. Perry Burrus was re-elected president of the Dallas Textile Mills Company, at a meeting of the directors in the Chamber of Commerce.

The plant is rapidly nearing completion, under supervision of L. W. Robert, Jr., it was pointed out by Mr. Burrus in his report.

In addition to the directorate, a number of other stockholders of the institution were in attendance at the meeting Tuesday morning. Mr. Burrus, as well as all other officers and members of the board, were



## K-A Electric Warp Stop

Our Southern Representative

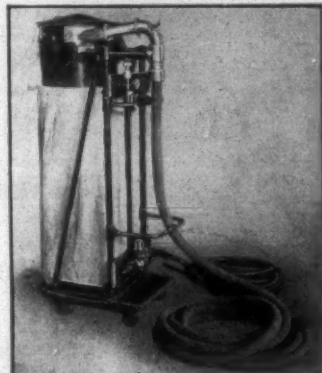
**Mr. William D. Whittaker**

is in charge of both the

**ATLANTA OFFICE and CHARLOTTE OFFICE**

Competent assistants at both offices will carry on our K-A Service.

**R. I. Warp Stop Equipment Co.**  
Charlotte, N. C. Atlanta, Ga.



(Patented)  
**R. P. SWEENEY**  
Manufacturer

406 News Bldg. Greenville, S. C.

## THE Sweeny PNEU-WAY Cleaner

Rapidly Cleans Machinery, Floors, Walls, Etc., of Lint and Dust by Air Suction

Uses compressed air to create the suction.

For Textile Mills and Other Industrial Plants

Ask for Prices on:  
Ingersoll-Rand Air Compressors,  
Air Hoists and Air Tools of all kinds,  
Compressed Air Hose, Vacuum Hose,  
Quick Connecting Hose Couplings,  
Centrifugal Pumps.

Catalogues on Request

## For Sale

1—250-ton Logeman Hydraulic Cloth Bal-  
ing Press. Excellent condition. At-  
tractive price for immediate acceptance.

**Southern Textile Machinery  
Company**

Greenville, S. C.

Member American Society Landscape Architects

## E. S. DRAPER

CHARLOTTE

NORTH CAROLINA

LANDSCAPE ARCHITECT and CITY PLANNER

Community and Mill Village  
Developments  
Parks, Real Estate Subdivisions  
and Cemeteries  
Resort Hotels and Country Clubs  
Private Estates and Home Grounds

Complete Topographic Surveys  
General Designs, Planting, Grading  
and Detail Plans  
Supervision of Landscape  
Construction  
Inspection and Maintenance

Largest Landscape Organization in the South

re-elected for another year's activities.

Officers re-elected were J. Perry Burrus, president; Louis Lipsitz and W. D. Felder, vice-president, and George N. Aldredge, secretary.

The board of directors consists of George N. Aldredge, E. R. Brown, J. Perry Burrus, M. L. Cannon, W. D. Felders, R. W. Higginbotham, Louis Lipsitz, E. W. Morten, W. B. Newsome, S. B. Perkins, F. B. Pope, L. W. Rboert, Jr., C. L. Sanger, Hugo Schoelkopf and B. S. Walker.

**Duke, N. C.**—Extensive improvements will be made by the Erwin Cotton Mills at both Durham and Duke, N. C., plants during the next twelve months, according to plans by J. E. Sirrine & Co., engineers, Greenville, S. C.

Contract for the new 35,000 spindle denim mill building at Duke, known as No. 5 Mill, has been awarded to J. L. Crouse, of Greensboro, N. C., for an approximate cost of \$500,000. This development will consist of a two-story, reinforced concrete spinning mill for 35,000 spindles, a one-story daylight construction weave shed for 1,152 looms and a modern village. The total cost of the mill is estimated at \$2,500,000.

The manufactured product will be indigo blue denims.

Erwin Cotton Mill No. 2, also at Duke, at present mechanically driven, will be electrified.

Plans for the plants at West Durham call for enlarging bleachery. These improvements will increase production of bleachery and sheet factory.

**Winston-Salem, N. C.**—The New Jersey Corporation, formerly known as the Washington Mills, has been dissolved, and the company has been rechartered under the laws of North Carolina with an authorized capital of \$5,000,000, according to an official announcement coming from the executive offices in this city. The new corporation is known as the Washington Mills Company.

The officers of the reorganized company are as follows: President, F. H. Fries; vice-president and treasurer, A. H. BaBhnson; secretary, C. H. Reed; assistant secretary and treasurer, E. F. Tulloch, all of Winston-Salem; assistant treasurer, T. H. Turner, Mayodan, and assistant treasurer, John Thorpe, Fries, Va.

The Washington Mills was organized in 1901 and chartered under the laws of New Jersey. The removal to North Carolina has been contemplated for some time, but only recently were matters arranged so that the transfer could be completed.

The company owns and operates the Washington Mill at Fries, Va., and the Mayo Mills at Mayodan, N. C. Both plants are run by water power.

The Washington Mills has 77,000 spindles and 1,750 looms. It manu-



atures sheeting and osnaburgs. John Thorpe, one of the assistant treasurers, is resident manager of the mill. There are over 300 houses for employees and 25 are now under construction.

**Program Southern Textile Association.**

The following program for the meeting of the Southern Textile Association, to be held in Augusta, Ga., October 12th and 13th, has just been announced:

**Friday Morning, October 12th, 10 O'clock.**

Meeting called to order by G. A. Franklin, general chairman.

Address of welcome by Judge Franklin, of the Superior Court.

Response to welcome.

Report of Weavers' Sectional Meeting by W. H. Gibson, Jr., Union, S. C.

Discussion of report.

Address by J. I. Howard, Charlotte, N. C. Subject: Cost Accounting as Applicable to Cotton Mills.

Address by George S. Harris, president Exposition Cotton Mills, Atlanta, Ga. Subject: Future Prospects and Possibilities of Southern Superintendents and Overseers.

Adjournment.

Barbecue at Carmichael's Club, 2 p. m.

**Saturday, October 13th, 10 O'clock.**

Report of Georgia Association.

Presenting New Inventions.

Address by R. W. Arrington, Supt., Union Bleachery, Greenville, S. C. Subject: Mutual Problems of Mill and Finisher.

Address by Miss Katherine Dozier, educational director, Pacolet Manufacturing Company, Pacolet, S. C., and Gainesville, Ga. Subject: Education in Our Mill Villages.

Business.

**South Carolina Mill Statistics.**

Columbia, S. C.—Marked increases in every phase of the textile industry in South Carolina this year, as compared with last year, is indicated in a statement issued by the State Department of Agriculture, Commerce and Industries, of which Harris is commissioner, the report being prepared by A. H. Gibert, chief inspector of the textile branch of the department. The textile year with the Department of Agriculture

# Hesslein & Co., Inc.

57 Worth Street

New York City

SELLING AGENTS FOR

## SOUTHERN COTTON MILLS

OFFICES:

Boston	New York	Philadelphia	St. Louis
Dallas	Baltimore	Kansas City	New Orleans
Chicago	St Joseph	San Francisco	Los Angeles

Besides Covering Every Domestic Market we Have the Largest Export Outlet of any Commission House in the U. S. A.

—THROUGH—

## Neuss, Hesslein & Co., Inc.

ESTABLISHED 1865

The World's Largest Distributors and Converters of Cotton Piece Goods

—FOR EXPORT—

### Neuss, Hesslein Corporation, in Manila, P. I.

Carrying a stock of American Cotton Piece Goods for distribution on the spot.

### Casa Neuss, Hesslein y Cia. de Columbia, S. A.

Bogota

with branches in  
Barranquilla

Medellin

Havana	also BRANCH OFFICES in	
Caracas	Santo Domingo	Melbourne
Trinidad	Santiago, Chile	Guayaquil
Kingston	Concepcion, Chile	San Salvador
	Valparaiso, Chile	Buenos Aires
		Lima
		Sidney
		Panama
		Adelaide

ended with August. The statement from Mr. Gibert's office shows that the value of the annual product of cotton mills in South Carolina increased in the year by more than \$44,000,000, from \$163,419,262 to \$207,524,637.

The cotton consumed in 1922 totalled 923,410 bales; for the year ending with August, 1923, the consumption was 1,009,241 bales. The capital invested in textile plants in South Carolina this year is an increase over last year of \$2,050,984, or from 155,354,299 to \$157,405,283.

The number of spindles increased from 5,075,672 to 5,111,686; the number of looms from 116,517 to 119,413.

The number of employees in textile plants in the State this year is 66,538, as compared with 62,422 last year and 55,896 in 1921.

The par value of capital stock in textile plants in 1922 was \$120,505,576, in 1923 it is \$125,732,686.

The number of male employees of cotton mills increased at a more rapid rate than did the number of female employees. The white male employees increased from 35,917 to 39,194; the number of negro males from 3,693 to 3,950. Female employees increased from 18,363 to 19,974; the number of colored females from 812 to 1,086.

The total population of the mill villages of the State is now estimated at 164,236; last year it was 137,864, an increase of 26,372.

The total number of mill employees increased from 62,422 to 68,538.

There are 2,168 boys between 14 and 16 employed in the cotton mills of the State, an increase of 343; there are 2,166 girls between 14 and 16 working in the mills, an increase of 352.

### Lanett Cotton Mills Declare Extra Dividend.

Boston, Mass.—Regular semi-annual dividend of 4 per cent and an extra of 4 per cent have been declared on capital stock of the Lanett Cotton Mills, payable October 15 to stock of record September 26, it was announced by Francis B. Sears, treasurer.

Plans are under way for merging this company with the West Point Manufacturing Company, directors of both companies having recently voted to recommend this action to their stockholders.

### For Sale.

One Fales & Jenks twister, 180 spindle, 3" gauge, 2" ring, in good condition. Alice Mfg Co., Easley, S. C.

# GARLAND

## LOOM PICKERS and

## LOOM HARNESSSES

GARLAND MFG CO.,  
SACO, ME.



### WELL DRILLING AND DEEP WELL PUMPS

We do the engineering, and have had 32 years experience solving water problems satisfactorily for textile mills.

Sydror Pump & Well Co., Inc.  
Richmond, Va.

## THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Company method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS

Our FAN TYPE and HIGH DUTY HUMIDIFIERS

Our VENTILATING Type of Humidifier (Taking fresh air into the room from outside)

Our ATOMIZERS or COMPRESSED AIR SYSTEM

Our COMPRESSED AIR CLEANING SYSTEM

Our CONDITIONING ROOM EQUIPMENT

Our AUTOMATIC HUMIDITY CONTROL (Can be applied to systems already installed)

Our AUTOMATIC TEMPERATURE CONTROL

Are all STANDARDS OF MODERN TEXTILE MILL EQUIPMENTS.

### AMERICAN MOISTENING COMPANY

RUSSELL GRINNELL, President

BOSTON, MASS.

FRANK B. COMINS, General Manager

SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA



# TALLOW—OILS—GUMS—COMPOUNDS

**TEXTOL, A new product especially for Print Cloths. A complete warp size, requires no addition of tallow**



TRADE MARK

Tallow, Soluble Grease, Soluble Oils, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Ready-made heavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.

## The Arabol Manufacturing Co

Offices: 110 East 42nd St., New York, N. Y.

P. D. JOHNSON, Representative, Atlanta, Ga.  
Southern Agent: Cameron

## ALSO HOSIERY FINISHING AND BLEACHINGS



Factories: Brooklyn, N. Y.

HERBERT BOOTH, South Car. Representative, Greenville, S. C.  
STEPHEN ARLEIGH, South Car. Representative, Greenville, S. C.

### American Textiles in British Market

Washington.—In general to attempt to sell American staple—as differentiated from specialty—textile products in Great Britain—is like "carrying coals to Newcastle," says Trade Commissioner H. D. Butler in a report to the Department of Commerce. In fact, "carrying cottons to Lancashire" is generally considered quite as ludicrous. However, American makers and shippers of certain staple cotton goods lines have competed successfully in this market.

American competition is naturally strongest in those lines where low costs result from a combination of the advantageous factors of quantity production and large raw material percentage of cost. If excellence of design can be added, so much the better. Products based on newly developed American processes or designs often can be sold in Britain until the makers of the special machinery supply British mills or until foreign manufacturers offer similar competitive designs. American designs can continue to hold a predominant position from year to year if manufacturers study the tastes of their customers in the British market and continue to introduce new designs to perpetuate their hold on this market.

Among the American textile articles which have long maintained a ket is fleeced underwear in which strong position in the British market—American competition stands on two firm bases—that the raw material is the large item of cost and labor charges are materially reduced by quantity production. One or two British mills are producing similar goods but the American product continues to be the favorite.

Staple artificial silk hosiery of American make have held a prominent place in the United Kingdom because American machinery and mass production methods have competed with British-made goods.

Gradually British production has goods are produced locally at very improved, American machinery has nearly the same prices as American been imported, and today first class hosiery.

Another typical example is cotton duck, a product in which the raw material accounts for a large percentage of the cost, and to which mass production methods have been applied. For the past ten years American duck has been sold in this market in increasing quantities until the last year's sales amounted to several millions of dollars. Recently this line has been undercut both by British and Belgian competition due, in the latter case, to the falling exchange and the use of cheap Indian cotton.

Other American specialty textile lines are selling in Great Britain, such as corsets, soft collars, fish lines, window cord, etc. Certain of these, notably corsets and collars, are manufactured in the United Kingdom, but all depend on excellence of design and low cost of manufacture for their superior position. Advanced ideas on marketing are also a source of strength in one or two of these lines.

Excellence of design, as well as cheap production costs, account for the successful sale of special linoleums, cotton rugs and cotton-jute-wool rugs. Certainly in all classes having two such important factors favoring their sales a profitable annual turnover should be insured.

One concern has been very successful in the sale of silk piece goods in cut lengths, one piece being sufficient for a blouse and another piece for a skirt. Pattern and design, coupled with a unique merchandising scheme in this instance, have resulted in substantial sales. It is evident though that the manufacturer and exporter find themselves compelled to exercise continued ingenuity in order to hold this market in such goods.

Beyond question other American textile specialty lines now selling in quantity in the United States which have not been introduced into the British market might find an excellent sale in the United Kingdom.

## NEWTON WOOLLEN MILLS

will be sold at Receiver's Sale, at Court House door, Newton, North Carolina, October 22nd, 1923.

This sale embraces the buildings, equipment and machinery and five acres of ground on C. & N. W. Railroad. Buildings were erected and plant equipped in 1920.

Full particulars as to the equipment of the mill and other details can be obtained by writing

**JULIAN G. ROBERTS**

211-15 Law Building

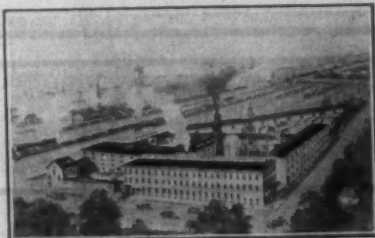
Charlotte, N. C.

## Artificial Silk

WINDING WARPING SIZING COPPING

# WARPS ON PAPER TUBES

**DUPLAN SILK CORPORATION**  
HAZLETON, PA.



DAVID M. BROWN  
President

GEORGE G. BROWN  
Treasurer

**THE DAVID BROWN COMPANY**

Lawrence, Mass.

NOTE our New Factory Additions and Improved Facilities for Manufacturing Our

"HIGH GRADE"

Bobbins, Spools and Shuttles

Correspondence Solicited

Catalog on Request



inner in Honor of Colonel Springs and Edwin Farnham Greene.

would not run a year, put on at this low tension.

Yours very truly,

Joseph Sykes Brothers,  
W. B. Pratt,  
Southern Agent.

**Sirrine Looks for Better Instead of More Mills South.**

an be more efficiently operated in the hands of Southern men than by any other set of men," said Mr. Greene. He paid especial tribute to the superintendents and overseers and remarked that he wished to emphasize his former statements that Southern mills are successful because they are efficiently managed and skillfully operated.

In conclusion Mr. Greene again called attention to the natural advantages that the South offers the cotton mills, but stated that these natural advantages, to some extent, would be lost in time and that the success of the industry will depend upon the men who direct it.

"Let me repeat," he added, "that Lockwood-Greene, in acquiring Southern mills and building new plants, wishes Southern mill men to know that its policy will be to live and work among you as one of you. We come not as strangers, but as friends and fellow workers who believe in the future of the South. In taking over some of the most successful mills in the South, we do so with the intention of taking up the work where the late owners left off and of trying to operate the mills as successfully as the Southern owners have done."

The guests attending the dinner were in every way representative of the Southern textile industry. Among them were a number of the most prominent mill presidents and bankers in the South, superintendents and overseers of the mills from the Piedmont sections, representatives of practically all of the leading machinery firms and a number of the leading business men of Charlotte and nearby cities. A large number of superintendents and overseers from the mills established by Colonel Springs were present as well as many others from South Carolina towns.

**Tension of Card Clothing.**

Editor Southern Textile Bulletin,  
Charlotte, N. C.

Dear Sir:  
There appeared in your issue of September 13th an article on Card clothing. We note the following remarks in regard to how clothing should be pulled on:

"On cylinders the tension with which two-inch clothing should be wound is from 250 to 300 pounds. The same tension being used throughout the cylinder but for the tapered ends. Narrower clothing requires less tension. Doffers are wound with from 160 to 180 pounds tension."

As a matter of fact the cylinders, with the exception of tapers, are never pulled on at less than 350 pounds and doffers at 275 pounds. I am sure that no one who has ever had experience clothing cards would be influenced by this erroneous statement, but some inexperienced men, first learning, might be, and the result would be that he would be unable to set up his cards so as to get any results. In fact, clothing

Greenville, S. C.—Cotton mill activities in the South are likely to be confined more largely to improving and enlarging present plants than to the construction of new mills, in the opinion of J. E. Sirrine, Greenville mill engineer, who is closely in touch with the textile situation in the Southeastern States. Mr. Sirrine did not predict that any new plants at all were likely to be constructed soon, although not making that statement in so many words.

With the exception of revamping and enlarging present plants, Mr. Sirrine predicts greater activity in the construction of bleaching and finishing plants than in any other line. He thinks that several others could well be constructed and operated in this section to care for the output of local mills. Two finishing plants are now being erected near here, one being at Taylor's and another at Lyman, but Mr. Sirrine hardly thinks it likely that these will overdo the finishing needs. The finishing plant at Ware Shoals will largely devote its activity to the Ware Shoals Manufacturing Company or other Riegel interests, Mr. Sirrine said in an interview with a representative of the Daily News Record.

The largest development in the textile line in this section is at Lyman, where the Lockwood-Greene Company proposes to expend \$5,000,000. Other large textile developments in the section are at La-Grange, Ga., where the Dunson Mills are adding 20,000 spindles; at Chester, where the Republic Mills are installing 1,000 looms, and in Greenville, where the Duncan and Judson mills are adding, respectively, 600 and 700 looms. The Arcadia Mills of Spartanburg are adding 10,000 spindles to their present equipment.

The recent advance in the price of cotton has been almost enough to offset the slight advance in the price of cloth, Mr. Sirrine declared. Mills, unlike merchants, are not affected to any great extent by seasons, but the bulk of South Carolina mills are said not to be operating at night, or else operating only a part of their equipment at night. Those operating night shifts are using but a fraction of the number employed during the day, it is said.

Mr. Sirrine does not think that taxes has played any great part in the larger development of the textile industry in North Carolina as compared with this State. There has been more money available in North Carolina, he said, and this, with the fact that the North Carolina textile industry covers a larger area than that in South Carolina, has been responsible for the larger number of mills erected in North Carolina during the past few years, he intimated.

**JOHN D. SPINKS, C. E.**

Mem. American Society of C. E.

**CONSULTING ENGINEER**

Sewerage—Sewerage Disposal—Water Supply—Streets

**VILLAGE PLANNING**

Winston-Salem, N. C.

**THE TRIPOD PAINT COMPANY**

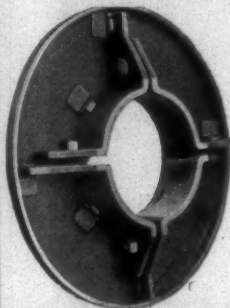
—MANUFACTURERS—

ATLANTA GEORGIA

MILL WHITES, PAINTS, STAINS, Etc.

Write for Prices and Free Samples

**Mossberg Pressed Steel Corporation**



'Split' Adjustable Beam Head  
Patent Pending

All Steel

LOOM BEAM HEADS  
SECTION BEAM HEADS  
ADJUSTABLE BEAM HEADS  
(SPLIT AND SOLID)  
NARROW FABRIC BEAMS  
BEAMS FOR ELASTIC AND  
NON ELASTIC WEB  
BEAMS FOR SILK RIBBON  
"NEW PROCESS" DROP WIRES  
JACK SPOOLS

**Attleboro, Mass.**

Sou. Office: 201 Augusta St., Greenville, S. C.

**DAVIS SEPTICTANKS**

Our new indoor waste water sewage disposal system is the last word in sanitation and economy.

Write for particulars

**J. B. DAVIS**

217 1/2 S. Tryon Street

Charlotte, N. C.

**SOUTHERN DISTRIBUTING CO.**

Griffin, Ga. 50 Market Street, Charleston, S. C. Greenville, S. C. Charlotte, N. C.  
Manufacturers and Distributors

of  
Stauss Rectified Tallow, Oil and Gums for all warp sizing and finishing purposes.

**UNIFORM IN APPLICATION**

**Victrolyn**

A dependable assistant in sizing Cotton Warps

SOLE MANUFACTURERS

**Bosson & Lane**

Works and Office, Atlantic, Mass.



# STEIN, HALL & Co., INC.

ESTABLISHED 1866

## KNOWN FOR GOOD STARCH

61 BROADWAY  
NEW YORK

### Ascertaining the Twist in Yarns.

(Continued from Page 16)

twist will be met with occasionally.

Worsted warp yarns are usually spun with the left twist as in Figure 4 and filling yarns with the right twist, although like woolen yarns, either of the twists may be found in either of the yarns. The first twist of organize silk yarns is usually to the right as shown in Figure 5 and the second twist to the left.

The official who is analyzing a sample of yarns to determine the twist often finds puzzling combinations. For instance, your correspondent was shown a sample of what was supposed to be a cotton thread.

When untwisted and placed under a glass it was discovered that the thread was made up of numerous fine strands of pulp yarn, as represented in Figure 7. Whether the pulp had been procured from wood, paper stock, cotton, silk or other fiber waste, was not determined for lack of the proper testing chemicals. But that the numerous slender strands were devoid of a fiber was quite evident. The sample was emerged in boiling water which softened it but failed to cause any disintegration. Some later correspondence with the wholesale organization, which had ordered the consignment of goods made according to sample, brought out the fact that the officials of the organization were not aware that the goods were made of anything but yarns spun from a standard fiber.

It illustrates the skill with which artificial yarns can be made into salable and even useful garments in these days of advanced methods of manufacture.

### The Twist in Yarns May Be Stipulated With the Order.

Many of the large dealers in knit goods employ experts who are competent to stipulate the exact number of turns per inch required in the yarns for their goods, just as they itemize the counts of the yarns, the character of the raw material, the design and finish. In such cases the number of turns per inch for the yarns is simply recorded on the order for the boss spinner who complies with the same. But if the number of turns per inch are not specified, the mill officials have to attend to it. I saw one man undertake to ascertain the turns per inch in a sample thread he had, and he twisted one end to the right and the other to the left as shown in Figure 7, with the result that he simply opened the thread in the center by taking all of the twist out of it as

indicated at A. Then he rolled the strand the other way and caused the center to kink with an excess of twist. He was not familiar with getting data on the twist in yarns, although a competent man in his special department of work.

There are several very good twist counting instruments in the market and considerable time and many costly errors caused by incorrect and careless estimations of twists in yarns might be avoided by possessing one. A drawing of one of these twist counters is shown in Figure 8. The thread to be tested for the number of turns in it is connected with one end in the clamp C and the other in the clamp B. The latter clamp is fixed to the shaft in the main bearing and this shaft is provided with a small gear at the outer end.

This small gear meshes into the cogs of the larger gear D which is provided with a handle for turning. Therefore when the large gear is turned, the small one gives the necessary revolving motion to the shaft and clamp B and untwists the strand of yarn as the clamp at C holds that end of the yarn stationary. A person with a steady hand and a clear eye can accomplish this much without a twist counter, but when it comes to making an exact count of the number of turns which have been made in a reverse order to reduce the strand to a sliver, he usually makes mistakes. He watches the thread crumble away into a fibrous condition and tries to count correctly at the same time.

It is not easy for anyone to concentrate on any two movements at one time and get the counts of one movement right. Hence errors occur. But the little twist counter shown in the drawing, like most other twist counters of a mechanical design, is provided with an automatic counting device which cannot fail for with each revolution of the shaft which turns the thread the worm E acts on the dial F and accurately registers the correct number of turns. The number registered on the dial is put down and divided by the number of inches of the yarn which was tested, and the result is the number of turns per inch in the yarn.

### Southern Mill Shares Hold Firm.

The Southern mill share market has been dull during the past week, according to the weekly review of mill share movement prepared by R. S. Dickson & Co., of Greenville, S. C., and Gastonia, N. C. Few changes have been noted in quota-

## Moreland Size

"The Warps Best Friend"

Moreland Sizing Company  
Spartanburg, S. C.

J. T. MORELAND, President



## TOLHURST EXTRACTORS



Their rapid acceleration and braking are important factors in turning out volume work. Their rugged construction enables them to stand the strain of unusual demands. The brake is the self-locking band type that requires no reversing of the motor to stop the machine.

**Tolhurst Machine Works**

(Established 1852)

Troy, N. Y.

## Safe Floors

Safe, clean floors are receiving more attention from the careful mill superintendent than ever before. In the past, cleaning of floors has often added to their slippery and unsafe condition, but today hundreds of mills are proving that the correct and safe way to clean floors is by the use

### WYANDOTTE DETERGENT

This cleaner leaves no greasy residue. It cleans quickly and easily and clean. It leaves the floor perfectly safe and firm to the feet of the active worker. Moreover, so little of the cleaner cleans so large a surface that the cost is unusually low.

Indian in diamond



in every package  
The J. B. FORD CO., Sole Mnfrs.  
Wyandotte, Michigan

tions on common and preferred issues. A steady demand, however, has been evident for the latter class.

The firmness noted in these issues during the past continues and a few individual issues have moved slightly forward. Gaffney, Judson, Pacolet, Union Buffalo, Poinsett, Brogon and Gluck were in active demand throughout the entire week.

The average of 25 of the most active Southern stocks shows a slight rise for the week amounting to 139.12, which compares with 138.92 for the previous week, and 138.20 for the week ended September 14.

### T. B. Stevenson Invents Bobbin Stop Motion.

A new patented device to be applied to cotton machinery is an automatic full bobbin stop motion for spinning frames on filling yarns, or on warp yarns with filling wind. It is the invention of and patented by T. B. Stevenson, general manager of the Henrietta Mills at Caroleen, N. C., and will be sold by Slaughter & McCabe, Greenville, S. C. All frames in two important mills in the South have been equipped with the stop motion, which has proved to reduce waste and lessen the work of spinners.

The device is simple and can easily be applied to frames. It is set in motion when the ring rail reaches a predetermined height, automatically moving the shipper rod to shift the belt to the loose pulley. It can be adjusted so that the frame will knock off at any desired point on the bobbin, and the spinner does not have to watch frames equipped with it to prevent their running over and making waste, and spinners can run more sides.

Doffers do not have to doff frames before they are full, as they are stopped automatically when bobbins are filled to the desired point. The occurrence when a chain breaks off the rail being thrown off to the floor and broken is eliminated by the use of the new stop motion.

It is claimed that the advantages of this new device are not limited to the spinning department, as the weaver does not have to dress off the nose of the bobbin before putting it into the shuttle, as is common where bobbins are too full. In this way the work of the weaver is lessened. There is also a reduction in the number of slugs woven into the cloth.

The inventor claims that this stop motion will reduce the amount of waste made in the spinning room and the weave room from 50 to 90 per cent, the reduction depending upon how much care has been devoted to reducing waste to the minimum previous to installing the device. It is stated that in many mills the reduction will amount to fully 90 per cent.

### Wanted.

Wanted—First-class grinder for 15 Whittin Cards, practically new, on fine yarns. Mill 25 miles from Charlotte. State age, experience, married or single and salary. Job will be open Oct 20th. Address 49, care Southern Textile Bulletin.

## "BRETON"

## MINEROL "F"



For  
Cotton  
Yarns

"It Stays on the yarn"

## BORNE, SCRYMSER CO.

Established 1874

17 Battery Place, NEW YORK

BOSTON

PHILADELPHIA

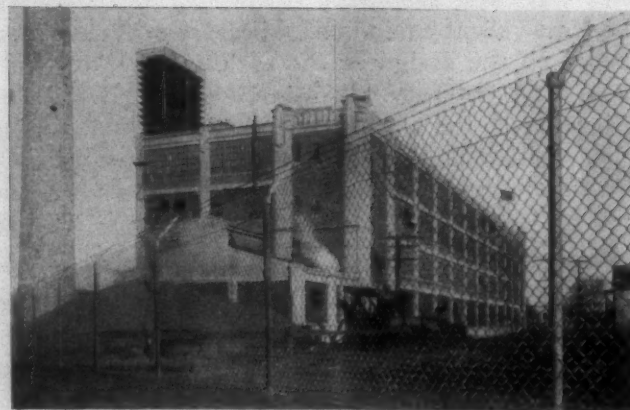
Works: Elizabethport, N. J.



FIRM — BECAUSE THEY ARE ANCHORED

## Anchor Post Fences

PERMANENT — BECAUSE THEY ARE GALVANIZED



High Protective Chain Link Fence with barbed wire topping.

## Galvanized Throughout to Resist Rust

All parts of every Anchor Post Chain Link Fence (fabric, posts, anchors, etc.) are protected against rust by old-fashioned hot-dip-selter galvanizing—the thickest galvanizing and best

protection that can be given to metal. Phone or write our nearest representative for complete information on this and other advantageous Anchor Post features.

**Anchor Post Iron Works: 52 Church St., New York, N. Y.**

Charlotte, N. C.: R. M. Lane, P. O. Box 1375

Greenville, S. C.: H. H. Orr, 315 Palmetto Bldg.

Savannah, Ga.: C. M. MacLean Co., 20 East Bay St.

Atlanta, Ga.: Beaulieu & Applewhite, Citizens' Southern National Bank Bldg.

Birmingham, Ala.: C. S. Caldwell, 2011 3rd Ave.

Sales Agents in Other Cities.



## TEXTILE STUDENTS' LOAN FUND, Inc.

(Continued from Page 20)

## Specified by leading construction engineers



One of the leading construction engineers in the country in specifying the sub-flooring for a huge cotton mill, insisted that it come up to the standard of Creo-Pine Sub-Flooring—produced by the Southern Wood Preserving Company.

Engineers are generally recognizing the fact that Creo-Pine is the *standard* sub-flooring. Many mill owners are insisting upon it in new construction programs.

Write For Full Details Today

# Creo-pine

### Sub-flooring

Southern Wood Preserving Co., Atlanta, Ga  
Creosoting and Creo-pine Products

## Why a Morse Silent Chain

The Morse silent chain is used because of its superiority based on the design of the exclusive "rocker-joint" construction, the very highest grade of material and heat treatment, the extreme accuracy in manufacturing and the engineering assistance in the designing of textile drives by engineers trained in this particular line and backed by the long standing reputation of the MORSE CHAIN COMPANY.

DO YOU KNOW about the MORSE Line Shaft Drive,  
The MORSE Spinning Frame Drive?

WRITE FOR BOOKLETS

Send for INFORMATION Address NEAREST Office  
FACTS will Surprise You



# Morse Chain Co.

Ithaca, N. Y.



ASSISTANCE FREE

CHARLOTTE, N. C., 404 Commercial Bank Building

Cleveland  
Chicago  
Baltimore  
Boston  
New York

Detroit  
Philadelphia  
Pittsburgh  
San Francisco

Atlanta  
Montreal  
Minneapolis  
St. Louis

"MORSE" is the guarantee always behind our  
Efficiency, Durability and Service

on the first ballot, a second ballot shall be taken between the two men who received the highest vote.

10. The Board of Trustees shall in January of each year elect a President, Vice-President and a Secretary and Treasurer from their membership to hold office until the next annual election and thereafter until their successors are elected.

(b) On or before January 10th of each year the Secretary shall send to the last known address of each Trustee a ballot upon which he may vote for a President, Vice-President and a Secretary and Treasurer, and all ballots returned within ten days shall be counted by the Secretary.

Should any man receive a majority of the ballots cast, he shall be declared elected.

In case any position is not filled as a result of the first ballot, a second ballot shall be taken as between the two men receiving the highest vote on the first ballot and the Secretary shall tally the results of the second ballots that are returned within seven days of the date of mailing out same.

The Board of Trustees shall adopt a common seal.

11. The President, Vice-President and Treasurer shall constitute an executive committee of three (3) who shall handle the financial affairs of this corporation, including the making of loans to students and prescribing the method of selecting those to whom loans shall be made and shall have full control and management of the investment and re-investment of all kinds of this corporation.

12. All propositions that require a vote of the Trustees shall be submitted to them in writing and seven days allowed for them to vote on same by mail.

13. If occasion should arise for the dissolution of this corporation, the assets after the payment of all indebtedness and the cost of such dissolution shall be divided equally among the Southern Textile Schools connected with State owned Universities or Colleges.

IN TESTIMONY WHEREOF, we have hereunto set our hands and have affixed our seals, this the 1st day of October, 1923.

S. F. PATTERSON, (Seal)  
DAVID CLARK, (Seal)  
H. R. FITZGERALD, (Seal)  
L. D. TYSON, (Seal)  
P. E. GLENN, (Seal)  
J. C. SAUNDERS, (Seal)  
J. W. SANDERS, (Seal)  
T. SCOTT ROBERTS, (Seal)  
DONALD COMER, (Seal)  
JAS. F. GOSSETT, (Seal)  
ALEX LONG, (Seal)  
ARTHUR J. DRAPER. (Seal)

### The Week's Cotton Trade.

Cotton prices continued wide fluctuations which were in evidence the previous week with net results for the week ending September 28 showing declines in both spot cotton and future contracts amounting to about 3/4 cents per pound. October future contracts on the New York Cotton Exchange closed at 29.25 cents on September 22, 28.33 cents on September 25, and 28.82 cents on Friday, September 28. The demand for spot cotton in the South was reported as keen with sales heavy. The demand was reported to have been particularly for the higher grades, due to reports of continued lowering of the grades due to rains on the open cotton. A somewhat more quiet tone was reported in the dry goods centers.

The average quotations of 10 designated spot markets on Friday was 28.47 cents per pound as compared with 28.80 cents the previous week. October future contracts on the

New York Cotton Exchange closed at 28.82 cents as compared with 29.30 cents the previous week. Exports during the week amounted to 132,446 bales; compared with 211,564 bales last week and 130,477 bales for the same period in 1922.

Certificated stock at New York on September 28 was 352 bales, and at New Orleans, 6,481 bales. Total stocks, all kinds, at New York, were 13,184 bales, and at New Orleans, 68,852 bales.

### Cotton Movement From August 1 to September 28.

	1923	1922
Port receipts	1,150,159	921,294
Port stocks	484,651	669,949
Interior receipts	1,415,542	1,303,639
Into sight	2,296,222	2,040,893
Northern spinners' takings	211,020	236,010
Southern spinners' takings	425,503	671,865
World's visible supply of American cotton	1,597,605	2,228,109



## High Duty Club Welcomes Hodge

The High Duty Club of Parks-Cramer Company, Charlotte, an organization made up of executives, department heads, salesmen, draftsmen and representatives of the shop and road men, had one of its regular meetings Wednesday evening, September 26th.

As usual, the meeting was held in the well appointed lunch room of the plant, where a bountiful dinner was served.

This meeting was in the nature of a celebration upon the return of Vice-President William B. Hodge from an extended vacation.

light breakfast he always insisted on a good hearty dinner at noon.

To get back to the High Duty meeting, after dinner Captain Morrison, president, called upon the secretary, Jim Henderson, for the minutes of the last meeting. Mr. Kimball, Southern manager, speaking for the "folks who stayed at home," welcomed Mr. Hodge and expressed the gratification of all members of the organization that he had returned completely restored in health. Mr. Hodge, responding, related some of his experiences and in a few telling sentences expressed



From April to September Mr. Hodge, or "Bill," as his friends say, has been sojourning on his farm in New York State and at his camp in the Adirondacks, recuperating from a good many years of too strenuous and continuous activity solving the South's humidifier problems.

During the five months he worked off some twenty pounds in the region of his belt, changed fifteen other pounds from fat to muscle, pitched forty tons of hay, built a whole flock of farm buildings, caught three tons of fish, smoked five thousand corn-cob pipes full of tobacco, shot two bears and four crows, used up thirteen barrels of gasoline and consumed so much ozone that the old residents complained of a scarcity.

His appetite became so tremendous that according to reports an ordinary breakfast consisted of a couple of oranges or a whole grapefruit, two dishes of oatmeal and cream, four eggs with about half a pound of bacon and eight or ten biscuits, twelve griddle cakes with maple syrup and three or four cups of coffee. On account of eating a

his appreciation of the reception accorded him, his great pleasure at being back again, and avowed his faith in the continued progress of the company in the humidifier field.

Mr. Asa Hosmer, field man with the Factory Insurance Association, gave a very interesting talk on fire protection and the work of the insurance companies, covering his subject very thoroughly and citing many instances from his experiences to illustrate his points.

The accompanying illustration depicts some of the high spots in Mr. Hodge's vacation as portrayed by Jim Henderson, of the Parks-Cramer drafting force:

### Netherlands Carpet Industry Reduces Wages.

An employers' federation at Tilburg has announced a reduction of 10 per cent in the wages of workers in carpet manufacturing plants, effective July 30. Wages in this industry have stood at the peak, no reduction having been made in recent years.—Paul S. Guinn, clerk, The Hague.

## Gum Tragasol Agglutinates

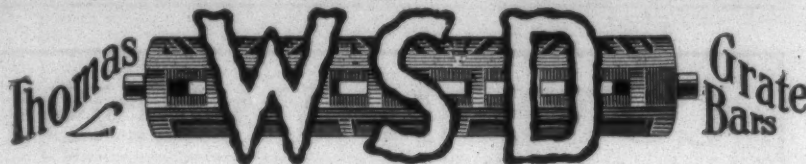
the fibres of the yarn—cotton, woolen or worsted which ever it may be—and prevents waste of good materials by eliminating flyings.

### Gum Tragasol is Cheaper

than either wool or cotton, therefore, its use is a distinct economy.

JOHN P. MARSTON COMPANY  
247 Atlantic Avenue, Boston

## Fire Without Having A Cleaning Period On



THOMAS GRATE BAR COMPANY  
BIRMINGHAM, ALA.

## Cocker Machine and Foundry Company Gastonia, N. C.

### BUILDERS OF TEXTILE MACHINERY

Linking Warpers Linkers Balling Warpers Balling Attachments  
Section Beam Warpers Long Chain Beams Short Chain Beams  
Warp Splitting Machines Warp Dyeing Machines Warp Doublers  
and Splitters Warp Coilers Boiling Out Boxes and Warp Washing  
Machines Dye House Ballers.



## The Standard of Excellence Electrical Installations IN TEXTILE MILLS AND VILLAGES

HUNTINGTON & GUERRY, Inc.  
GREENVILLE, S. C.

## DISINFECTANT

We guarantee our disinfectant to meet any government specifications. We manufacture them ourselves, and do not fill them with rosin or other cheap fillers. Get our prices. They will surprise you.

## MASURY-YOUNG CO.

Established 1857

BOSTON, MASS.

## Emmons Loom Harness Company

The Largest Manufacturers of Loom Harness and Reeds in America

### Loom Harness and Reeds

Slasher and Striking Combs Warps and Leice Reeds,  
Beamer and Dresser Hecks, Mending Eyes, Jacquard  
Heddles

LAWRENCE, MASS.

## DIXON LUBRICATING SADDLE CO.

BRISTOL, RHODE ISLAND



Use Dixon Patent Stirrup Adjusting Saddles, the latest invention in Saddles for Top Rolls of Spinning Machines. Manufacturers of all kinds of Saddles, Stirrups and Levers.

WRITE FOR SAMPLE





Williams, Smithwick & Co.  
Memphis, Tenn.

Ridgely D. Park  
Charlotte, N. C.

### WILLIAMS, SMITHWICK & PARK CO. COTTON

MISSISSIPPI STAPLES      ARKANSAS BENDERS  
143 Brevard Court, CHARLOTTE, N. C.  
Long Distance Phone 9940      Postal Phone      Local Phone 5436  
Branch Offices in the Carolinas and Georgia

## COTTON YARNS

All Numbers, Regular, Reverse and Fancy Twists.  
Mills wishing to sell direct to discriminating customers please write, stating counts and quality, carded or combed, skeins, ball or chain warps, tubes or cones.  
Sales to customers by wire on mill's acceptance and approval.

**Edward J. McCaughey**

YARN BROKER

51 Arlington St., Pawtucket, R. I.

DIRECT MILL AGENT

## WENTWORTH Double Duty Travelers

Last Longer, Make Stronger Yarn, Run Clear, Preserve the SPINNING RING. The greatest improvement entering the Spinning room since the advent of the HIGH SPEED SPINDLE.

Manufactured only by the

**National Ring Traveler Co.**

Providence, R. I.

31 W. 1st St., Charlotte, N. C.

Manufacturers Should Look Up the Advantages of

## Metallic Drawing Roll

Over the leather system before placing orders for new machinery, or if contemplating an increase in production, have them applied to their old machinery. It is applied successfully to the following carding room machinery:

Railways	Detaching Roll for Combers
Sliver Lap Machines	Drawing Frames
Ribbon Lap Machines	Slubbers
Comber Draw Boxes	Intermediate Frames

25 TO 33 PER CENT. MORE PRODUCTION  
GUARANTEED

For Prices and Circular Write to

**The Metallic Drawing Roll Co.**

INDIAN ORCHARD, MASS.

## Present Loving Cup to Col. Springs

Lancaster, S. C., Sept. 26.—Col. Leroy Springs was given a most deserved mark of esteem and appreciation Tuesday night when he was presented with a silver loving cup by the superintendents and overseers of the Lancaster Cotton Mills, of which he is the retiring president.

The party, in twenty automobiles, drove to Colonel Springs' residence, and were ushered into the drawing room, where F. Gordon Cobb, general manager of the mills, presented the cup to Colonel Springs, and to Mrs. Springs was presented a bouquet of American beauty roses. Mr. Cobb, in presenting the cup, said:

"Colonel Springs, if the reports in the papers are true, you are about to withdraw from active management of the Lancaster Cotton Mills. Please understand that your superintendents and overseers have not come here tonight to bid you good-bye, because even if you were to leave us in person, we will always feel that your influence is with us. It would be impossible to even say Lancaster Cotton Mills without thinking of Colonel Springs. To us, the two will always be the same, it matters not who the managers may be. In the Lancaster Cotton Mills you have built a temple which will stand practically forever to commemorate you, but probably you do not realize that you have built a far greater temple—a temple in the minds of your superintendents and overseers—your name—your attainments—will be used to inspire our children and our children's children. That is a temple far greater than any material thing.

"The Lancaster Cotton Mills claim the distinction of producing more production per spindle than any mill in America, and these are the men, Colonel Springs, who deserve the credit, not only for the efficiency of their individual departments, but for working together as a unit. Therefore, in behalf of the superintendents and overseers, it gives me great pleasure to present you this loving cup, not for its intrinsic value, but as a small token of the high esteem we hold for our employer.

"And Mrs. Springs, as we consider you a true example of the proverbial 'better half,' all we have said to Colonel Springs applies equally to you. We have not forgotten when you came to us at the risk of your life during the terrible epidemic in the time of sickness and need. The English language does not seem adequate to express to you our true feelings, but we hope that these beautiful roses will carry to you our message of gratitude and appreciation."

Colonel Springs, though taken completely by surprise, was deeply touched, and in a voice choked with emotion, he thanked the donors and stated it was through their loyalty and co-operation that the Lancaster Cotton Mills was the successful plant it is today, and that while Lockwood, Greene & Co. had recently purchased the mills, he was still a large stockholder, and there

would be no change in the personnel of the department heads, and that Mr. Cobb would still be the active head of the plant.

Mrs. Springs, who is a gifted speaker, in happy speech thanked the donors for the beautiful roses and for the tribute to Colonel Springs.

The cup is of solid silver, 24 inches high, set on an ebony base and engraved as follows:

"Presented to Colonel Leroy Springs by the superintendents and overseers of the Lancaster Cotton Mills, not for its intrinsic value, but as a token of the high esteem we hold for our employer."

There were 30 superintendents and overseers in the presentation party.

### National Association of Cotton Manufacturers.

The National Association of Cotton Manufacturers, which is now perfecting arrangements for its big fall meeting to be held in Boston on October 31 and November 1, announces the appointment of two important committees. One is the committee on exhibit, which has been enlarged from an original membership of four, and the other is the committee on information.

The committee on exhibit, which will have charge of the cotton display to be made by the National Association at the International Textile Exposition in Boston from October 29 to November 3, is as follows: Harold C. Whitman, the Esmond Mills, New York, chairman; Bertram H. Borden, American Printing Company, New York; Morgan Butler, Butler Mill, New Bedford; Charles B. Chase, Stevens Manufacturing Company, Fall River; Lawrence M. Keeler, Whittin Machine Works, Whittinsville, Mass.; John A. Sweetzer, Boston Manufacturing Company, Waltham; William E. Winchester, Deering, Milliken & Co., New York, and Henry B. Thompson, United States Finishing Company, New York.

The committee on information in connection with the meeting and exhibit of the Association consists of Russell B. Lowe, Parkhill Manufacturing Company, Fitchburg, chairman; W. Irving Bullard, Merchants National Bank, Boston, and Alfred E. Colby, Pacific Mills, Boston.

Harry M. Meserve, secretary of the National Association, whose office is at 45 Milk street, Boston, is actively assisting both committees.

### Boosters Club Gives Big Banquet.

The Wallace plant at Jonesville, S. C., was once a branch of the great chain of the Victor-Monaghan group, and due to the fact that this plant has for the few years held a high record in production, and standing at the top of the long list as first in output caused liberal bidding in the textile markets, and was recently sold off from the Victor-Monaghan to the Wallace Manufacturing Company.



Due to this change there necessarily had to be some additions made to the regular office force, and the company has chosen for its executive head T. M. Marchant, of Greenville, S. C., as its president; W. H. Beattie, as vice-president and treasurer; R. A. Lybrand, as secretary and assistant treasurer, and J. C. Cudd, as the superintendent.

Immediately upon taking over the new project the Boosters Club of the community decided to have a big banquet in honor of the new management. The Boosters Club has been an organization for six years, and has for its membership the most influential men of the town and community, having for its head J. C. Cudd, the superintendent, for the club's honored president. The very elaborate dinner was served in the banquet hall of the Y. M. C. A. last Friday night, September 21st, 7:30 p. m., and was attended by a very large representation of boosters and their wives, together with the entire faculty of the high school of the city, and out-of-town guests. Among the many guests of honor for this particular occasion was Miss Mary Willie McKinney, of Chesnee, S. C., who occupied the first and uppermost seat in the banquet hall. The banquet was unique in every respect, and was thoroughly enjoyed by all that attended. The banquet hall was decorated in the Wallace colors, "green-gold," with ferns and golden rod as the banquet flower and hand painted plate cards to match.

The Y. M. C. A. secretary, Harold M. Angel, furnished the entertainment for the evening, with many appropriate yells, songs and musical numbers. One of the interesting or rather unusual numbers on the evening program was given by "Bob" Waltrip, our electrician at the plant, when he played "Home, Sweet Home" on the old fashion hand saw. Yes, it was so distinct and vivid until you could see the window shades, curtains and pictures hanging on the wall.

Very impressive talks were given by W. H. Beattie, vice-president and treasurer of the company, and Professor Lake, superintendent of the public schools, in which they expressed their viewpoints on the future possibilities of the town and community, and at the same time asking the co-operation of each individual to promote the objective.

Harold M. Angel, Y. M. C. A. secretary, was the last speaker on the program, and acting as toastmaster for this unusual occasion gave a rib tickling and side splitting speech of humor that topped the banquet off very pleasingly.

## Cotton Mill For Sale

Cotton Mill, well located in Charlotte, N. C., 2,496 spindles, including three-story brick building, on large lot. Building heated and sprinkled. Also including eleven mill cottages, electric motors and all necessary equipment for immediate operation. Will sell machinery and equipment, mill building and lot, or cottages separately, or entire plant as a whole. If interested wire or write

Frank H. Kennedy, Receiver, Law Building, Charlotte, N. C.



### LOUIS WOODS, JR., & COMPANY Cotton Merchants

All Kinds of Raw Cotton, Low Grades Especially  
Types and Samples Sent on Request  
Phones: Main 5417-7705      Postal L. D.  
MEMPHIS, TENNESSEE

### WARWICK-AIKEN & COMPANY COTTON

MISSISSIPPI, ARKANSAS, TENNESSEE COTTON OF SUPERIOR  
QUALITY  
MEMPHIS, TENNESSEE

**W. J. BRITTON & CO.**  
RIVERS, BENDERS and STAPLE  
COTTON  
104 S. Front St.  
Memphis, Tenn., U. S. A.

**BARNWELL & COMPANY**  
Staple Cotton  
MISSISSIPPI and ARKANSAS  
Have Been Making Satisfactory  
Shipments Since 1888  
MEMPHIS, TENN.



### W. M. CANTERBURY EXPORT COTTON DOMESTIC

Eastern Oklahoma, Arkansas and Texas Cotton  
Main Office, 114 McKibban Building, Muskogee, Okla.  
Branch Office, Victoria, Texas

Codes: Shepperson 1878-81  
Meyer's 39th

Cable Address:  
"Canterbury"

James R. Taylor

Phil. A. Watson

### TAYLOR & WATSON Cotton

Staples a Specialty  
Shawnee, Oklahoma

Walter O. Long

Arthur J. Barry

### LONG & BARRY

Cotton Merchants  
Texas, Oklahoma and Arkansas  
Chickasha, Okla.

### OKLAHOMA COTTON GROWERS ASSOCIATION

A Co-operative Marketing Association for the Benefit of Its 55,000  
Cotton Grower Members  
Cotton Classed and Sold in Even Grades and Staple  
Oklahoma City, Okla.

### BASS, MAXWELL & COMPANY

Cotton Merchants

All Kinds  
Oklahoma City, Okla.

### CLAY W. HANCOCK & COMPANY

Cotton

Oklahoma City, Okla.

### IRBY-CLARKE

All Descriptions of  
Oklahoma Cotton

Horn Bldg.

Oklahoma City

### RUSSELL-ROBERTS COTTON COMPANY

Cotton

All grades of Oklahoma Cotton  
We buy direct from the Farmer, and would like to do a regular  
business with some good mill.  
Holdenville, Oklahoma

### (Unincorporated) R. O. HARVEY & COMPANY COTTON

Buyers and Exporters  
Members Texas Cotton Association, New Orleans Cotton Exchange  
Codes: Meyers' 39th Edition, Shepperson's 1878-1881  
Wichita Falls, Texas      Texas, Oklahoma and Kansas

### T. J. CHAMBERS Cotton

All Grades Oklahoma Cotton  
Member Okla. State Cotton Exchange  
Ada, Oklahoma

**H. T. KIMBELL**  
Buyer and Shipper of  
Western Oklahoma  
Altus, Oklahoma

**JOHN G. WEAVER**  
Cotton  
Texas, Oklahoma and Arkansas  
Chickasha, Okla.



**BARNWELL BROTHERS**

GREENWOOD, MISSISSIPPI

Shippers—COTTON—Exporters

Selecting Benders and Staples a Specialty

BUYING AGENCIES THROUGHOUT THE DELTA

Branch Offices: Clarksdale

Cable Address: "Barn"

Represented at Gastonia, N. C., by S. E. Barnwell, Jr.

**JOSEPH NEWBURGER, President****D. W. BROOKS, Vice-President****W. H. WILLEY, Vice-President****NORMAN MONAGHAN, Secy-Treas.**

# NEWBURGER COTTON CO.

(INCORPORATED)

MEMPHIS - TENN.

*Mississippi Delta Cotton our Specialty***G. D. TAYLOR & CO.**

Mississippi Delta Staples

Home Office

Memphis, Tennessee

**W. J. DAVIS & COMPANY**

Cotton for Spinners

Knoxville, Tenn.

Jackson, Miss.

New Orleans, La.

**LAMAR SELLERS & CO.**

Clarksdale, Miss.

COTTON

Delta Staples and Benders Our Specialty

Cable Address: "Sellers"

Codes: Shepperson's 78-81  
Meyer's 39th

Domestic—COTTON—Export

**J. F. RODGERS & CO.**

CLARKSDALE, MISS.

Merchants and Shippers

Cable Address "Rodchurch"

**THREEFOOT BROS. & CO.**

Cotton Merchants

Meridian, Miss.

Handlers of Mississippi

Cotton

**MONTGOMERY & SUMNER**

Yazoo City, Miss.

Mississippi Delta Cotton

Extra Staples a Specialty

Carolina Representative

Ernest D. Sumner Agency

Gastonia, N. C.

Branch Offices  
Greenwood, Miss. Belzonia, Miss.

H. Chassaniol

**CHASSANIOL & CO.**

High Grade Staple Cotton

Experienced Handlers of Low Grade

Staples

GREENWOOD, MISSISSIPPI

S. L. DODSON

E. J. MOONEY

**DODSON & MOONEY**

Cotton Merchants

Domestic—Export

BENDERS AND STAPLES

Main Office: CLARKSDALE, MISS.

**B. F. OLIVER & CO.**

COTTON

Staples and Benders

Clarksdale, Miss.

**What You Will See at the Exposition.**

(Continued from Page 10)

carbonate of soda, benzoate of soda, benzoic acid and coumarin. They will also have on hand literature describing the Mathieson hypochlorite process for refining gasoline and kerosene and booklets covering the uses of Mathieson products in other industries.

In charge of the booth will be: J. W. Boyer, manager of sales, and R. J. Quinn, assistant manager of sales, assisted by E. E. Routh, W. D. Marshall, J. B. Peake and Philip De Wolf, district sales managers.

**A. C. Lawrence Leather Co.**

A. C. Lawrence Leather Company will display their line of roller leather at Booth No. 151a at the International Textile Exposition. Henry H. Hersey will be in charge of this exhibit.

**Flexible Steel Lacing Co.**

A very unique operating display of belts laced with Alligator Steel Belt Lacing has been arranged for the Boston Show (Booth 39). A belt laced with Alligator is shown running over a right hand angle drive, illustrating the severe conditions under which Alligator will stand up and give satisfactory service.

The company is also exhibiting its full line of Flexco High Duty Belt Fasteners and Flevco-Lok Lamp Guards.

**Universal Winding Co.**

The Universal Winding Company will occupy spaces 111 to 116, inclusive, and have several important features in the line of improvements of winding apparatus which will prove very interesting to the users of winding machinery. They have recently been giving careful attention to the winding and creeling of warp yarn, and this process will be illustrated in their exhibit spaces with winding machines, warper creel and warper in practical operation. There will also be shown several of their regular types of machines, but with new and improved attachments designed to secure economy in operation and eliminate waste of time and material.

**Parks-Cramer Co.**

It is the present plan of the Parks-Cramer Company to exhibit in operation one of the Centrifugal humidifiers under the control of one of their standard Type "H" humidity regulators.

In addition to that they will have other pieces of apparatus not in operation, upon which many refinements have been made. Adequate space for greeting the many friends that we have in the industry will also be available.

**Steel Heddle Manufacturing Co.**

This company's line of loom harness for every texture will be exhibited together with a Stafford loom running pillow tubing, for which their duplex loom harness is especially adapted, due to the fact that

heretofore cotton harnesses have been used exclusively. They have succeeded in the making up of a harness which they claim will far exceed the cotton heddle, due to the fact that the great breakage and loss of production has been overcome with the using of their harness on this particular fabric. No doubt it will interest the manufacturers of the East and South to a great extent, as a great many of them do not believe that a flat steel heddle harness, nor any other type except a cotton harness, is able to run on this class of goods.

**Oxweld Acetylene Co.**

The Oxweld exhibit will contain an assortment of Oxweld welding and cutting apparatus of the type extensively used in textile mills.

They are publishing a special bulletin for distribution at the exhibit which describes the applications of the Oxweld process in textile mills and which shows a number of pictures of actual textile mill parts and scenes.

Other exhibits of a technical nature and pertaining to the use of the Oxweld process in the textile industry will also be exhibited.

**Celite Products Co.**

The Celite Products Company will have an exhibit of Sil-O-Cel heat insulation at the power show held in conjunction with the Textile Exposition at Boston.

The exhibit will be in charge of F. H. Emerson, of the Boston office, and the exhibit will include all Sil-O-Cel heat insulation products, brick, C-22, block, powder, C-3 concrete, cements. There will be a blow torch test of the impenetrability of Sil-O-Cel to heat flow. This test consists of a flame from a blow torch being directed on a Sil-O-Cel brick continuously and permitting observers to feel how cool the reverse side of the brick is. There will also be a typical furnace wall laid up with firebrick, Sil-O-Cel insulating brick, and red brick to illustrate methods of installation.

**Clipper Belt Lacer Co.**

The full Clipper line, consisting of three models of belt lacers, belt fasteners, twisted hawhide pins and fibre waterproof pins, will be shown. A new product of the company is the Clipper belt cutter, which has been recently added to their line, and which will cut and square any make of belting up to six inches in width with a light pressure on the handle. Clipper rustproof hooks also should be mentioned. These hooks are recommended for use where the regular Clipper hooks show corrosion due to moisture or acid fumes.

They expect to exhibit their Clipper moving belt display, which is constructed entirely of aluminum. All moving parts run on ball bearings; therefore, the display is practically noiseless. It has attracted a great deal of attention wherever exhibited.

**COOPER & GRIFFIN**

(Incorporated)

COTTON

GREENVILLE, S. C.



**BELL BROTHERS & COMPANY**

Successors to BELL-SHAW CO.

Dallas, Texas

COTTON SHIPPERS AND EXPORTERS

Branches—Houston, Brownwood, Sweetwater, Corsicana, Stamford, Texas  
and Oklahoma City and Hebart, Okla.**PHILIP LINDSLEY & CO.**

Cotton

Texas and Oklahoma Cotton.

Dallas :-: :-: :-: Texas

**LEVERETT & MOORE**

Texas Cotton

A Specialty

All Grades

Hillsboro :-: Texas

New York

**MORIMURA, ARAI & COMPANY**

—Agents—

Yokohama Ki-Ito Kwaisha, Ltd.

Yokohama, Osaka &amp; Tokio

Japan

Dallas

Edw. W. Geer

J. Hoyt Geer

**GEER & GEER**

Cotton

Dallas, Texas

Member Dallas Cotton Exchange and Texas Cotton Association.  
Cable Address "GEER" P. O. Box 341**LAMPE-THOMAS CO., Inc.**

Fort Worth, Texas

Cotton Merchants

Texas, Oklahoma, Arkansas Cottons

**W. E. STAPP & CO.**

All grades Texas Cotton

BEST CURRENT PRICE Shipped Direct to Mills  
San Antonio, Texas**REYNOLDS & WHITE**

Texas and Oklahoma Cotton

Dallas, Texas

**T. L. ALLEN**

Cotton Shippers

All Grades and Staples

Yorktown, Tex.

Branch Office: Cuero, Tex.

**Henderson Cotton Co.**Regular and Irregular  
CottonSell on Actual Samples  
Houston, Texas**A. H. SAFFOLD**

Texas Cotton

Temple, Texas

**J. H. HUTTON & CO.**Members Houston Cotton  
Exchange

Merchants COTTON Exporters

All Grades Texas Staple

Inquiries for Low Grade Staples  
Dooley Bldg., Houston, Tex.**S. G. Tarkington & Sons**

Cotton

All Grades and Staples  
Cuero :-: Texas**George V. Launey & Co.**

Cotton

Domestic—Export  
Dallas, Texas**W. H. BARRY**

Brazos Bottom Cotton—Cotton Merchant

Navasota, Texas

**MANNING - GRINNAN & COMPANY**

Dallas, Texas

Handle Texas, Oklahoma, Arkansas and  
Louisiana Cotton.**WIGGINS & HORN**

North Texas Black Land Cotton

McKinney, Texas

**FLOYD WILLIS & CO.**

Texas and Oklahoma

Cottons

Greenville, Texas Galveston, Texas Taylor, Texas

Lucius Rash, President

I. L. Brin, Vice-President

**RASH, BRIN & COMPANY**

Incorporated

Cotton Merchants

Members

New York Cotton Exchange, Texas Cotton Ass'n., Dallas Cot. Ex.

Associate Members Liverpool Cotton Exchange  
Terrell, Texas Dallas, Texas**FRANK E. STEWART**

Cotton Merchant

Paris, Texas

**SHELTON & HARDIN**

Cotton

Members Texas Cotton Association

Terrell, Texas

**JOHNSON, WATT & CO.**

Cotton

Staples and Low Grades

Greenville, Texas

Correspondence Invited

**L. W. RUTLAND & CO**

Cotton

Domestic Shippers

Sulphur Springs, Texas

**WILLIAM PAGEN & SON**

Good Spinning Cotton

Sulphur Springs, Texas

**LEO NEAL**

Cotton

Commerce, Texas

Inch sixteenth to inch eight a  
specialty. Correspondence Invited**JAS. T. ROUNTREE & CO.**

Cotton

Paris, Texas

**ROBERTS & CARTWRIGHT**

Cotton

Terrell, Texas

**H. SEAY**Shippers Texas, Oklahoma  
and Arkansas

Cotton

Low Grades Specialties  
Greenville, Texas**RHEA & COMPANY**

Cotton

Texas Black Land Cotton

McKinney, Texas

We Ship What We Sell



# COTTON

*Let Us Quote You*

Southeastern Selling Agency

## LESSER-GOLDMAN COTTON COMPANY

OF ST. LOUIS, MO.

P. H. PARTRIDGE, Agent, Charlotte, N. C.

Extra staples, and good 1 1-16 and 1 1-8 cotton from Arkansas, Oklahoma, and Texas, and Memphis territory.

## STEWART BROTHERS COTTON COMPANY

(Incorporated)

of New Orleans, La.

### Cotton Merchants

Charlotte, N. C. STAPLES A SPECIALTY Greenville, S. C.

S. B. TANNER, JR. Postal Phone MOREHEAD JONES  
Local Phone 821 Long Distance Phone 9998

### TANNER & JONES

CHARLOTTE, N. C.

Representing

NEWBURGER COTTON CO.  
Memphis, Tenn.

TRAVER, STEELE & COMPANY  
Dallas, Texas.

### J. M. Williams Agency

B. B. Jackson, Agent  
Cotton Merchants

121 Brevard Court

Charlotte, N. C.  
Greensboro, N. C.  
Local Phone 4480; L. D. 9994  
Postal Greensboro, 2867

### B. B. JACKSON

Charlotte, N. C. Greensboro, N. C.

9994 COTTON 2867

Representing

SHEPARD W. KING

Dallas, Texas

MANNING GRINNAN & CO.  
Dallas, Texas

Postal Greensboro, Phone 2867

### William and York Wilson Incorporated.

Charlotte, N. C. Rock Hill, S. C.  
Durham, N. C. Greenwood, S. C.

### Cotton Brokers

Charlotte Phone 4806 Rock Hill Phone 695  
Postal Phone

### GEO. M. ROSE, JR. COTTON

191½ East Fourth Street  
Charlotte, N. C.

### SANDERS, ORR & CO. COTTON

Charlotte, N. C.

### J. L. BUSSEY & CO. COTTON

Greenville, S. C.

### HAMBLEY & CO.

Spot Cotton Brokers

SALISBURY, N. C.

### LINEBERGER BROS. BROKERS—SHIPPERS

Carolina and Delta Staples  
All Kinds Short Cotton  
Lincolnton, N. C.

### B. H. PARKER & CO. Cotton Brokers

Staples a Specialty

Codes 1878-1881 Bell Phone 81

Gastonia, N. C.

J. F. Mathewes Hamlin Beattie

Mathewes, Beattie & Co.

### COTTON

Local Phone 17  
Long Distance Phone 9912  
Postal Phone

GREENVILLE, S. C.

### RANKINS-ADAMS CO.

GASTONIA, N. C.

WE SPECIALIZE IN STAPLES

Local and Postal Phones  
Codes—Shepperson's 1878-81

### GRAY-BARKLEY CO., INC.

Staple Cottons

Gastonia, N. C.

### COTTON

All Grades—Long and Short  
Staples

Lincolnton, N. C.

KENNETH GRIGG & CO.

### H. H. WOLFE & CO.

COTTON

Monroe, N. C.

## Cotton Goods

New York.—The cotton goods markets were rather irregular last week. Trading was active through the first several days, but was slow and listless as the week ended. The erratic cotton goods market had an unfavorable effect on unfinished goods and this division of the market was considerably unsettled. Finished goods were more active than the unfinished lines and prices were again moved up toward a level more in keeping with production costs. Practically all of the best known lines of both Eastern and Southern gingham have been priced for the new spring season at last fall's values.

The fact that a new Government condition report was imminent to some extent slowed up the market. There was a moderate demand for wash goods, ratines, crepes, printed and flock dot voiles. Bleached goods were steady and many lines of wide sheetings have been sold up and withdrawn from the market. Percales are still off the market and new prices have not been announced. More interest was shown in blankets and napped goods for fall.

Trading in print cloths was rather quiet as the week ended, being confined chiefly to business in second hands. It was evident that many holders of goods were willing to sell off small lots at concessions.

Print cloths could be had at 9½ cents for wide 64x60s from second hands, but mills would not do better than 9½ cents, and only a very few mills would consider that price. As high as 10½ cents was asked. For 60x48s, 8½ cents can be done readily.

Sheetings were quiet and without special feature. Some 5.50s were available at 9 cents and some 4.70s at 10½ cents. The lower prices in the face of higher cotton were the result of a desire to sell odd lots and take a ready profit on past purchases.

Sateen business was more general again, last prices being paid in most cases, but shadings of ¼ cent from the top were not uncommon. There was some business done on poplins and heavy fine twills for lining and converting purposes. Drills were

quiet and little was heard of pajama checks.

There was a fairly good business in cotton duck during the week. Consumers showed more willingness to pay higher prices than manufacturers using some of the other cotton goods lines. The sales for the week were made up mostly of small lots, but the total showed a good volume of business. Some specialty duck lines made from 7s to 12s yarns recently sold at 47½ cents.

Mills making tire fabrics experienced a rather dull week. Most of the buying was for filling in purposes and sales were small. Large users of tire fabrics are buying very sparingly at present.

In the jobbing lines business was good last week. Sales continued to grow larger and the volume for the week showed a substantial gain.

Cotton goods prices were quoted at the close of the week as follows:

Print cloths, 28-inch, 64x64s, 8½ cents; 64x60s, 8 cents; 38½-inch 64x64s, 10½ cents; brown sheetings, Southern standards, 16½ cents; tickings, 8-ounce, 27; denims, 2.20s, 23 to 24½ cents; staple gingham, 19 cents; prints, 9½ cents, nominal; dress gingham, 21½ cents.

**T. E. DAVIS**  
COTTON  
DAVIS, OKLA.

### ACALA COTTON CO. Agents

Farmers Labor Union  
Save Middle Man's Profit. Try Us.  
Direct from Producer to Mills  
Durant, Oklahoma

**L. R. CAMPBELL**  
Cotton  
Seventeen Years In  
Durant Oklahoma

**C. J. O'NEAL & CO.**  
Cotton  
Merchants and Shippers  
Gainesville, Texas

B V C

TRADE MARK

WARP TYING MACHINES HAND KNOTTERS  
WARP DRAWING MACHINES  
AUTOMATIC SPOOLERS HIGH SPEED WARPERS

### BARBER-COLMAN COMPANY

BOSTON, MASS. GREENVILLE, S. C.  
MAIN OFFICE AND FACTORY:  
ROCKFORD, ILL. U. S. A.



# The Yarn Market

Philadelphia.—Business in the yarn market was active during the first part of the week, but slowed down later and was practically at a standstill as the week closed. Prices were very firm and showed no decline after buying became dull. It is believed that some of the yarn using trades are about ready to place large orders for fall and some of this business is expected to develop within a short time. The forthcoming cotton report is being awaited with much interest and buyers were inclined to delay business until after its publication.

One of the uncertain factors that is hurting yarn trade is the lack of a satisfactory demand in the goods markets. The demand is not yet normal and yarn buyers are therefore uneasy about placing large orders. Buyers are in many instances so uncertain about the markets that they are at a loss whether to buy yarns or to hold off longer. Inquiries continued large during the week, but very few large sales were made after Wednesday.

Knitters bought fairly well as the week opened but withdrew later. Carpet manufacturers bought in a small way whenever they felt they were getting unusual values. The insulating trades were more active buyers and furnished the main support for the week's business.

The offering of many small lots, and the tendency of buyers to shop around for bargains makes it hard to accurately quote prices that really represent the market. The following list shows values prevailing in the open market here at the close of the week:

Two-Ply Chain Warps.		
2-ply 8s	44	a45
10s	44	a45
12s to 14s	46	a48
2-ply 16s	50	a51
2-ply 20s	51	a52
2-ply 24s	54	a53
2-ply 26s	54	a55
2-ply 30s	56	a57
2-ply 40s	64	a68
2-ply 50s	76	a
Two-Ply Skeins.		
10s to 12s	44	a45
16s	48	a49
20s	51	a52
24s	52	a
26s	54	a55
30s	55	a56
36s	60	a62
40s	63	a
40s e.	68	a70
50s	76	a78
60s	84	a86
Tinged Carpet—		
1, 3 and 4-ply	42	a43
Southern Single Chain Warps.		
10s	45	a
12s	46	a
14s	46	a47
16s	48	a49
20s	51	a
24s	52	a
26s	53	a
30s	55	a56
40s	65	a67
Single Skeins.		
6s to 8s	43	a
10s	44	a
12s	45	a
14s	46	a
16s	48	a

20s	50	a51
24s	51	a52
26s	53	a
30s	55	a
Frame Cones.		
8s	45	a
10s	45	a
12s	45½	a
14s	46	a
16s	47	a
18s	48	a
20s	48	a49
22s	50	a
24s	50½	a51
26s	51	a51½
30s	53	a55
30s bdl. ord.	56	a
30s tying in	51	a53
40s	67	a
Combed Peeler Skeins.		
2-ply 20s	59	a
2-ply 30s	67½	a
2-ply 36s	75	a77½
2-ply 40s	76	a80
2-ply 50s	85	a87½
2-ply 60s	95	a93
2-ply 70s	1 05a1	10
2-ply 80s	1 15a1	20
Combed Peeler Cones.		
10s	53	a54
12s	54	a55
14s	56	a57
16s	56½	a57½
18s	57	a58
20s	58	a59
22s	58½	a59½
24s	59	a60
26s	59½	a60½
28s	60	a61
30s	64	a65
32s	69	a71
34s	71	a72
36s	72	a75
40s	72	a75
40s	75	a78
50s	85	a90
60s	95	a97
70s	1 00a1	05
Carded Peeler Thread Twist Skeins.		
20s, 2-ply	53	a
22s, 2-ply	54	a
24s, 2-ply	55	a
30s, 2-ply	60	a
36s, 2-ply	65	a
40s, 2-ply	69	a
45s, 2-ply	77	a

## Belgian Reduced Wool Consumption Explained.

The reduced wool consumption in Belgium during the first six months of 1923 was due not to the Ruhr situation but principally to the Verviers lockout, which was not settled until May. Outside Verviers the condition of the industry was satisfactory. Lack of confidence, due to the exchange situation, is the cause of the small number of orders, and the year is expected to close rather slack. The principal element in this situation appears to be Northern French and Alsatian competition rather than any direct reaction from the Ruhr complications.



BEST for CLEANING  
MILL FLOORS

Poland Soap Works  
Anniston, Ala.

## CATLIN & COMPANY

NEW YORK BOSTON PHILADELPHIA CHICAGO

Commission Merchants

Cotton Cloth and Cotton Yarn

SOUTHERN OFFICE

910-11 Commercial Bank Bldg. CHARLOTTE, N. C.

D. H. Mauney, Pres. Phil S. Steel, Vice-Pres. Frank W. Felsburg, 2nd V.-Pres.  
J. S. P. Carpenter, Treasurer D. A. Rudisill, Secretary

## Mauney-Steel Company COTTON YARNS

DIRECT FROM SPINNERS TO CONSUMER  
237 Chestnut Street Philadelphia, Pa.  
Eastern Office, 336 Groverner Bldg., Providence, R. I.  
Southern Office: Cherryville, N. C.

MILLS DESIRING DIRECT REPRESENTATION AND HAVE THEIR  
PRODUCT SOLD UNDER THEIR OWN MILL NAME WILL  
PLEASE COMMUNICATE.

## RIDLEY WATTS & Co.

COMMISSION MERCHANTS

44-46 Leonard Street NEW YORK CITY

Branch Offices

Chicago

St. Louis

Philadelphia

Baltimore

Boston

"We ship coal from our own mines"

## Sugar Creek Coal Sales Company

Famous Sugar Creek Smokeless Minerun Coalburg Seam  
Splint Domestic Lump and Egg

R. G. Wooldridge, Eastern Sales Agent

501 Richmond Trust Building, Richmond, Va.

Main Office: Mt. Hope, W. Va.



## MERROWING

Established 1833

FOR—

Stocking Welting

Toe Closing

Mock Seaming

Maximum Production

Minimum Cost of Upkeep

Unexcelled Quality of Work

THE MERROW MACHINE COMPANY

20 Laurel Street, Hartford, Conn.

## Paulson, Linkroum & Co., Inc.

52 Leonard Street, NEW YORK CITY, U. S. A.

COTTON YARNS

Philadelphia

Providence

Chicago

Charlotte



## Want Department

### COMPLETE DYEHOUSE EQUIPMENT

Special Machinery For  
Textile Mills  
**The Klauder-Weldon Dyeing  
Machine Co.**  
Bethayres, Pa.

Wanted—Man to take charge of  
napper room on colored outings.  
Reply "R," care Southern Textile  
Bulletin.

For Sale—135 Section Beams in  
good condition. Barrel 8"x54",  
diameter of heads 26". Prices on  
application. Bemis Bro. Bag Co.,  
Bemis, Tenn.

### Napper Room.

Wanted—Overseer napper room  
for day run and also overseer  
for night run. Good jobs for  
right men. State experience, and  
give references in first letter.  
Address "Napper," care Southern  
Textile Bulletin.

Wanted—One good card grind-  
er. Apply Williamson Mills Co.,  
Charleston, S. C.

### For Sale.

Sweeney Pneu-Way Cleaner  
complete with accessories, prac-  
tically new. Mill unable to use  
on account of insufficient air sup-  
ply. Address Pneu-Way, care  
Southern Textile Bulletin.

Wanted—Textile Salesmen for  
South Carolina, Georgia and  
Alabama to handle established  
specialty as side line on commis-  
sion. Address P. O. Box 1014,  
Charlotte, N. C.

For that silky, soft "kid glove" finish on fine shirt-  
ings, sheer nainsooks, dainty organdies and voiles, on  
high grade gingham and sateens, use

### CREAM SOFTENER J. B.

White goods stay white and even the most delicate shades are not  
affected by this creamy, white softener.  
A finish cannot always be judged satisfactory immediately after it  
is applied. Father Time, the most critical judge, often makes an  
adverse decision after the goods have been on the shelf a few  
months.  
Our Cream Softener J. B. is especially adjusted and standardized  
to cope with atmospheric, storage and other conditions to which  
material is subjected after finishing.  
We guarantee this softener will not cause any regrets. The first  
and last decision will be favorable.

Allow us to send samples.  
The product will prove itself.

**Jacques Wolf & Company**  
MANUFACTURING CHEMISTS AND IMPORTERS  
PASSAIC, N. J.

### Wanted.

Man experienced on Number  
Duck and Wide Sheetings to act  
as Assistant Superintendent.  
Must be a hustler and a producer.  
Fine opportunity. Give names of  
former employers with applica-  
tion. Address Aragon Mills, Ara-  
gon, Ga.

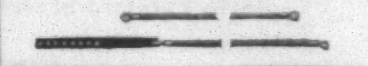
### Specialty Account Wanted.

Wanted: One good textile ma-  
chinery or equipment specialty  
by an organization of experience,  
continually calling upon the Sou-  
thern cotton mills. J. Kirk Row-  
ell, 514 Atlanta Trust Bldg., At-  
lanta, Ga.

### Improved Dobby Chain



### Dobby Cords



**See Dobby Chain Co.**  
**Millbury, Mass.**  
Send Us Your Order To-day

## PATENTS

**Trade Marks and Copyrights**  
Difficult and rejected cases  
specially solicited. No misleading  
inducements made to secure  
business. Over thirty years ac-  
tive practice. Experienced, per-  
sonal, conscientious service.  
Write for terms. Address

**SIGGERS & SIGGERS**  
Patent Lawyers  
Suite 34 N. U. Washington, D. C.

## HYDROSULPHITES

### Bisulphite of Soda-Powder

Send Us a Trial Order

Sample Card and Lowest Quotations on Request

**H.A. METZ & CO. Inc.**  
One Twenty-Two Hudson Street, New York City.  
Boston Philadelphia Providence Chicago  
Charlotte San Francisco



## Ring Traveler Specialists

**U. S. Ring Traveler Co.**

159 Aborn Street, PROVIDENCE, R. I.  
AMOS M. BOWEN, Treasurer

Wm. P. VAUGHAN, Southern Representative  
P. O. Box 792 GREENVILLE, S. C.

U. S. Ring Travelers are **uniformly tempered** which  
insures even-running spinning. They are also correct  
as to **weight and circles**. Quality guaranteed.

## CARD BANDS

Spinning Twister Spooler  
Bands

Braids Tapes Cotton Rope

**JOHN B. YOUNG**

LAWNDALE, - - PHILADELPHIA, PA.

## DRAKE CORPORATION

"Warp Dressing Service  
Improves Weaving"

NORFOLK - - VIRGINIA



## EMPLOYMENT BUREAU

The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

If the applicant is a subscriber to the Southern Textile Bulletin and his subscription is paid up to the date of his joining the employment bureau the above fee is only \$1.00.

During the three months' membership we send the applicant notices of all vacancies in the position which he desires.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern Textile Industry.

WANT position as overseer weaving. Familiar with variety of weaves and can furnish excellent references. Address No. 3805.

WANT position as superintendent, overseer weaving. Thoroughly trained in all departments of mill, I. C. S. graduate. Understand jacquard weaving. Age 30, married, no bad habits. Good references. Address No. 3806.

WANT position as overseer spinning or as assistant superintendent by man who can get results, either yarn or weave mill. Best of references. Address No. 3807.

WANT position as overseer spinning. Age 37, 12 years as overseer. First class references. Address No. 3808.

WANT position as superintendent, or overseer large card or spinning room. High class man, experienced and practical, references to show good past record. Address No. 3809.

WANT position as superintendent of large yarn mill. Have been overseer and superintendent in some of best yarn mills in North Carolina. Have fine record as to quality and quantity at low cost. Address No. 3810.

WANT position as carder or spinner or both. Capable of handling large room in first class man. Long experience, fine references. Address No. 3811.

WANT position as carder or spinner. Experienced mill man, now running card room at night but want day job. Good references as to character and ability. Address No. 3812.

WANT position as superintendent. Practical man of long experience and ability to get good results. Now employed as superintendent. Good references. Address No. 3813.

WANT position as master mechanic. Have had 24 years experience in cotton mill shops both steam and electric drive. References. Address No. 3813-A.

WANT position as overseer weaving on Draper looms, plain white goods preferred. Now employed, but desire better job. Good references from good mill men as to character and ability. Address No. 3815.

WANT position as overseer carding. Good man, now employed, but wish better position. First class references showing good past record. Address No. 3816.

WANT position as superintendent of yarn or weave mill. Long experience in carding, spinning and weaving, and winding. Can get quantity and quality production at lowest cost. Age 39, good character and references. Address No. 3817.

WANT position as superintendent. Practical manufacturer of ability and experience. Good manager of help. Fine references. Address No. 3818.

WANT position as overseer weaving. First class weaver in every respect, sober, reliable and hard worker. Experienced on wide variety of goods. Good references. Address No. 3819.

WANT position as superintendent or manager of yarn or cloth mill in the Carolinas. Now general superintendent of large mill, have held job satisfactorily for three years but have good reasons for wanting to change. Good references. Address No. 3821.

WANT position as superintendent, overseer carding or assistant superintendent on yarn or plain cloth mill. High class, reliable man, good manager of help. A-1 references. Address No. 3822.

WANT position as overseer weaving. Strictly high class man of good character; long experience in weaving, best of references. Address No. 3823.

WANT position as superintendent, or carder or spinner. Now employed as spinner in mill on fine yarns and am giving entire satisfaction, but want larger place. Good references. Address No. 3824.

WANT position as superintendent, carder or spinner. Practical man of long experience in good mills. Fine references. Address No. 3825.

WANT position as master mechanic. Now employed, but want larger job. Many years experience as mechanic, steam and electric drive. Excellent references. Address No. 3826.

WANT position as superintendent or traveling salesman. Experienced mill man and can give excellent references. Address No. 3827.

WANT position as superintendent. Have held position as such in some of the best mills in South and give satisfactory references to any mill needing first class man. Address No. 3827.

WANT position as master mechanic. Long experience in mill machine shop, fully competent to handle large job. Fine references. Address No. 3829.

WANT position as overseer carding or spinning, or superintendent. Practical man who has had many years experience as superintendent and overseer and can get satisfactory results. Best of references. Address No. 3821.

WANT position as superintendent of yarn mill or carder or spinner. Thoroughly familiar with these departments and am well qualified to handle either a room or a mill. Good references as to character and ability. Address No. 3832.

WANT position as superintendent of mill in North Carolina making yarns or print cloths. Now employed as superintendent of 27,000 spindle mill making 30s hosiery yarn and 64x60s print cloth. Am giving satisfaction but have good reason for making change. Best of references. Address No. 3833.

WANT position as superintendent or overseer carding. Long experience as both and can get good production at low cost. Would like to correspond with mill needing high class man. Address No. 3834.

WANT position as overseer of carding. Good worker of long experience in number of good mills. First class references to show past record. Address No. 3835.

WANT position as superintendent or overseer carding and spinning. Now employed, but wish larger place. Competent, reliable man who can give satisfaction in every way. Good references. Address No. 3836.

WANT position as superintendent or manager. Have had long experience as superintendent and am high class man in every respect. Can handle mill on any class of goods made in South. Want to correspond with mill needing high class executive. Excellent references from reliable mill men. Address No. 3837.

WANT position as overseer weaving. Practical weaver who can get big production at the right cost. Fine references. Address No. 3838.

WANT position as overseer weaving. Can handle any fabric made in South. Have had over 27 years experience from loom fixer to overseer weaving and was promoted steadily by one of largest mills in the South. Married, have family, religious worker, good manager of help. Can give excellent list of references. Address No. 3839.

WANT position as superintendent, prefer South Carolina or Georgia. Now employed as assistant superintendent and weaver and am giving entire satisfaction. Have good reasons for wishing to change. Excellent references. Address No. 3840.

WANT position as overseer weaving, prefer job of fancies. Have been weaver for past 10 years with one of the finest mills in the South. Excellent references to show a fine record. Address No. 3841.

WANT position as superintendent, yarn mill preferred. High class man who is well trained and has had long experience. Best of references. Address No. 3842.

WANT position as superintendent. Now employed as such, but want better job. Good weaver as well as superintendent

and get operate weave mill on very satisfactory basis. Address No. 3843.

WANT position as superintendent, carder or spinner. Now employed as superintendent. Long experience as both overseer and superintendent and can get satisfactory results. Address No. 3844.

WANT position as overseer carding. Have had long experience and can furnish best of references from past and present employers. Address No. 3852.

WANT position as overseer weaving. Experienced in wide variety of fabrics and can give satisfaction. Now employed. Best of references. Address No. 3853.

WANT position as dyer, 12 years experience on long and short chain work, raw stock, beam and Franklin machines. Can handle any size jobs on cotton. Good references and can come on short notice. Address No. 3854.

WANT position as overseer carding. Experienced an d reliable man who can handle your room on efficient and satisfactory basis. Good references. Address No. 3855.

WANT position as superintendent of medium sized mill or weaver in large mill, white or colored goods; 20 years as overseer weaving, slashing and beaming in number of South's best mills. Have held present place for nine years and am giving entire satisfaction. Address No. 3856.

WANT position as superintendent of plain or fancy goods mill, would consider offer of medium size mill at reasonable salary. Thoroughly conversant with all departments. Address No. 3857.

WANT position as superintendent of yarn or cloth mill, gingham preferred; age 40, have family; 22 years experience, 8 years as carder and spinner and assistant superintendent; have held last position as superintendent for 7 1-2 years. N. mill preferred. Good references. Address No. 3858.

WANT position as overseer weaving or superintendent. Long experience in good mills and can get good results. Best of references. Address No. 3859.

WANT position as overseer carding; age 33, married, 14 years in carding; 5 years as overseer. Now employed but have good reasons for wishing to change. Address No. 3860.

WANT position as superintendent of weaving mill, or would take overseer weaving in large mill on plain or fancy goods. Now employed in good plant and can give good references. Fine record in good mills. Address No. 3861.

WANT position as overseer spinning, 17 years in spinning room, now employed as second hand in 35,000 spindle room; age 28, married, sober, reliable and church member. Good references. Address No. 3862.

WANT position as overseer spinning, spooling or twisting. Age 29, married, 10 years on spinning. Can furnish good reference. Address No. 3863.

WANT position as carder or spinner, or both. Age 35, married, practical carder and spinner and can furnish fine references as to character and ability. Address No. 3864.

WANT position as overseer spinning, or carding and spinning, can give good references as to character and ability, strictly sober, now employed but have good reasons for wishing to change. Address No. 3865.

WANT position as overseer cloth room, experienced on drills and sheetings; also colored goods. Can give A1 references. Address No. 3867.

WANT position as carder or spinner, or both. Experienced and reliable man, who can produce good results. Good references. Address No. 3868.

WANT position as superintendent, now employed as such, but wish to change; 4 years in present place, 8 years as carder and spinner or both warp and hosiery yarns, 5 years as spinner, been in mill over 25 years, thoroughly understand all processes from picker room to winding and twisting. Good knowledge of steam and electricity. Address No. 3869.

WANT position as overseer spinner, at \$30 weekly or more, now employed in good mill, practical and experienced man. Best of references. Address No. 3870.

WANT position as superintendent or weaver; long practical experience, and can produce quality and quantity production. Address No. 3871.

WANT position as overseer weaving; 12 years on heavy duck, 14 years as overseer on sheetings, drill, osaburga, grain bag, tubing and rope machines; am 48. Can change on short notice. Good references. Address No. 3872.

WANT position as overseer weaving, experienced on large variety of goods and can handle room on efficient basis. Address No. 3873.

WANT position as superintendent of small mill, or weaver in large plant; now employed as overseer slashing, warping and drawing-in on 360 Draper looms. Good references. Address No. 3874.

WANT position as superintendent, yarn or weave mill. Now employed, but wish larger place. Excellent past record. Good references. Address No. 3875.

WANT position as agent superintendent or manager of Southern mill on white work. Would be interested in buying stock. Can furnish best of references and can show results. Address No. 3876.

WANT position as overseer weaving, now running 800 looms and giving satisfaction; familiar with colored checks, chambrays, many other lines; age 39, married, good references. Address No. 3877.

WANT position as overseer weaving; age 29, married, I. C. A. graduate, experienced on plain and fine work including all kinds of cotton towels and specialties. Good references. Address No. 3879.

WANT position as superintendent; 28 years experience in mill, have held present place as superintendent for 8 years, have good reasons for wanting to change. Best of references. Address No. 3880.

WANT position as supt. of yarn mill, or carder and spinner. Now employed as carder. Can furnish good references to show my record. Address No. 3881.

WANT position as carder in large mill, or supt. of small yarn mill; 20 years as carder and spinner; mostly in carding and assistant supt. Now employed as carder and assistant supt. Good references. Address No. 3882.

WANT position as carder or spinner, or both. Practical man of long experience; have excellent references. Address No. 3882.

WANT position as supt. or weaver, long experience in good mills, excellent references to show character and ability. Address No. 3883.

WANT position as supt. of spinning mill, practical experienced man of good ability and can get results. Address No. 3884.

WANT position as supt. and manager of small or medium mill, or overseer of large, good paying weave room. Excellent references. Address No. 3885.

WANT position as master mechanic; 20 years experience, now employed, good references to show excellent past record. Address No. 3886.

WANT position as carder and spinner or both, or supt.; 25 years in mill, 18 as supt.; married, have family. Address No. 3887.

WANT position as spinner, white work preferred; experienced and reliable man. Can come on short notice. Best of references. Address No. 3888.

WANT position as overseer of spinning, now employed as such and giving satisfaction, but wish larger place. Married, good habits, reliable and competent. Good references. Address No. 3889.

WANT position as overseer spinning. Experienced spinner, practical and capable, good character and habits, best of references. Address No. 3890.

WANT position as supt. or would take carding or spinning. Good references to show an excellent past record and can produce good results. Address No. 3891.

WANT position as carder or spinner in large mill, or supt. of small or medium size mill. Long experience in good mills; good manager of help. First class references. Address No. 3892.

WANT position as supt. of small mill, with opportunity of investing in mill and advance. Long experience as overseer, good character, inventor and owner of patent that will be of great value to mill equipped to use waste sock. Patent would give mill big advantage in manufacture of twine, rope and similar products. Would take stock for entire amount of pattern and invest small amount in addition, or would consider new mill. Address No. 3893.

WANT position as master mechanic. Long experience on both steam and electric work, 14 years in mill shops, good references. Address No. 3895.

WANT position as supt., assistant supt., carder or spinner, mule or ring frames, good man of long experience, best of references. Address No. 3894.



# CLASSIFIED LIST OF ADVERTISERS

- ADDING MACHINES**  
Monroe Calculating Machine Co.
- AIR CONDITIONERS**  
The Bahnsen Co.  
Parks-Cramer Co.
- AIR SUCTION CLEANING MACHINES**  
R. P. Sweeney
- ALBONE**  
Roessler & Haaslaacher.
- ARCHITECTS & MILL ENGINEERS**  
Sirrre & Co., J. E.
- ASH HANDLING EQUIPMENT**  
Link-Belt Company.
- AUTOMATIC FEEDS FOR COTTON**  
Saco-Lowell Shops.  
Whitin Machine Works.
- BALL BEARING**  
Fafnir Bearing Co.  
S. K. F. Industries, Inc.
- BALLERS**  
Economy Baler Co.
- BALLERS**  
Saco-Lowell Shops.
- BALING PRESSES**  
Economy Baler Co.
- BANDS AND TAPE**  
American Textile Banding Co.  
Southern Textile Banding Mill.
- BEAMING AND WARPING MACHINERY**  
Draper Corporation.  
T. C. Entwistle Co.  
Saco-Lowell Shops.
- BEAM HEADS**  
Mossberg Pressed Steel Corp.
- BEAMS (All Steel)**  
Mossberg Pressed Steel Corp.
- BEARINGS, ROLLER**  
Hyatt Roller Bearing Co.
- BEARINGS, SHAFT**  
Fafnir Bearing Co.  
Hyatt Roller Bearing Co.
- BEARINGS, TEXTILE MACHINERY**  
Hyatt Roller Bearing Co.
- BELT CONVEYORS**  
Link-Belt Company.
- BELT TIGHTENERS**  
Link-Belt Company.
- WOOD'S, T. B. & Sons Co.**
- BLEACHING MATERIALS**  
Arabol Mfg. Co.  
Atlantic Dyestuff Co.  
Borne, Scrymser Co.  
Bosson & Lane.  
International Chemical Co.  
Kilpstein & Co., A.  
National Aniline & Chemical Co.  
Roessler & Haaslaacher Chem. Co.  
Stein, Hall & Co.  
United Chemical Products Co.  
Wolf, Jacques & Co.
- BELTING**  
E. F. Houghton and Company.  
Edward R. Ladew Company  
Graton and Knight Mfg. Co.
- BELT LACING**  
Flexible Steel Lacing Co.  
E. F. Houghton and Company.
- BELTING CEMENT**  
E. F. Houghton and Company.
- BELTING LINK**  
Link-Belt Company.
- BENCH DRAWERS, STEEL**  
Lupton's, David, Sons Co.
- BENCH LEGS, PRESSED STEEL**  
Lupton's, David, Sons Co.
- BICARBONATE OF SODA**  
Mathieson Alkali Works, Inc.
- BLEACHING MATERIALS**  
J. B. Ford Company  
L. Sonneborn Sons, Inc.
- BOBBINS**  
David Brown Co.  
Lestershire Spool and Manufacturing Co.  
Lowell Shuttle Co.  
Jordan Mfg. Co.  
Courtney, The Dana S., Co.  
Walter L. Parker Co.
- BOBBINS AND SPOOLS**  
Mossberg Pressed Steel Corp.
- BOXES**  
Wilts Veneer Co.
- BOX SHOOKS**  
Wilts Veneer Co.
- BRUSHES**  
Atlanta Brush Co.
- BLOWERS AND BLOWERS SYSTEMS**  
Carrier Engineering Corp.  
J. N. McCausland and Co.  
Parks-Cramer Co.
- BLOWERS (Forced Draft, "Argan")**  
McClave-Brooks Company.
- BOBBIN STRIPPER**  
Terrell Machine Co.
- BOILER FRONTS**  
McClave-Brooks Company.
- BOILERS (STEAM)**  
Edge Moor Iron Co.
- BOILERS (WATER TUBE)**  
Edge Moor Iron Works
- BRETON MINERAL OIL**  
Borne, Scrymser Company.
- CALCULATING MACH**  
Monroe Calculating Machine Co.
- CALENDARS**  
H. W. Butterworth and Sons Co.  
B. F. Perkins and Son, Inc.
- CALENDER ROLLS**  
B. F. Perkins and Son, Inc.
- CARDS**  
Saco-Lowell Shops.  
Whitin Machine Works.
- CARD BANDS**  
Arthur S. Brown Mfg. Co.
- CARD CLOTHING**  
Ashworth Bros.
- CARD GRINDING MACHINERY**  
Dronsfield Bros.  
T. C. Entwistle Co.  
Roy & Son Co., B. S.  
Saco-Lowell Shops.  
Whitin Machine Works.
- CARRIER APRONS**  
Link-Belt Company.
- CAUSTIC SODA**  
Mathieson Alkali Works, Inc.
- CHAIN BELTS AND DRIVES**  
Link-Belt Co.
- CLEANING COMPOUNDS**  
International Chemical Co.
- CLOTH PILERS**  
B. F. Perkins and Son, Inc.
- CLOTH PRESSES**  
Economy Baler Co.
- COAL HANDLING MACHINERY**  
Link-Belt Co.
- COMBERS**  
John Hetherington and Sons Ltd.
- COMBS (Beamers, Wipers and Slashers)**  
T. C. Entwistle Co.
- COMMISSION MERCHANTS**  
Catlin & Co.
- COMPUTING MACHINES**  
Monroe Calculating Machine Co.
- CHLORIDE OF LIME**  
Borne, Scrymser Company.  
J. B. Ford Company  
International Chemical Co.  
Mathieson Alkali Works, Inc.  
L. Sonneborn Sons, Inc.
- CLEANING DEVICES**  
R. P. Sweeney
- CLEANING MACHINES**  
R. P. Sweeney
- CLUTCHES, FRICTION**  
Wood's, T. B., Sons Co.  
J. H. Lane & Co.  
Ridley, Watts & Co.  
Whitman & Sons, Clarence.  
Paulson-Linkroum & Co.
- COMPRESSORS (AIR)**  
Allis-Chalmers Mfg. Co.
- CONDENSERS**  
Allis-Chalmers Mfg. Co.
- CONDITIONING MACHINES**  
American Moistening Co.
- CONDUIT FITTINGS**  
Chicago Fuse Mfg. Co.
- CONES, PAPER**  
Southern Novelty Co.
- CONVEYING SYSTEMS**  
Link-Belt Company.
- COOLERS (AIR)**  
See Humidifying Apparatus.
- COTTON**  
J. L. Bussey & Co.  
Gray-Barkley Co.  
Lesser-Goldman Cotton Co.  
Mathews, Seattle & Co.  
B. H. Parker & Co.  
Rose Bros.  
Sanders, Orr & Co.  
Stewart Bros. Cotton Co.  
Wm. & York Wilson.  
H. H. Wolfe & Co.  
Kenneth Grigg & Co.  
Lineberger Bros.  
Tanner & Jones.
- COTTON MACHINERY**  
Ashworth Bros.  
Atherton Pin Grid Bar Co.  
Barber-Colman Co.  
Crompton & Knowles Loom Works  
Dixon Lubricating Saddle Co.  
Draper Corporation.  
T. C. Entwistle Co.  
Hopdale Mfg. Co.  
Metallic Drawing Roll Co.  
National Ring Traveler Co.  
Roy & Son, B. S.  
Saco-Lowell Shops.  
Stafford Co., The  
Universal Winding Co.  
Whitin Machine Works.  
Whitinsville Spinning Ring Co.  
Tolhurst Machine Works.  
Terrell Machine Co.
- COTTON OPENERS AND LAPPERS**  
Saco-Lowell Shops.  
Whitin Machine Works.
- COTTON SOFTENERS**  
Borne, Scrymser Co.  
Arabol Mfg. Co.  
Bosson & Lane.  
E. F. Houghton and Company.  
Kilpstein & Co., A.  
L. Sonneborn Sons, Inc.  
Wolf, Jacques & Co.
- COTTON WASTE MACHINERY**  
Saco-Lowell Shops.  
Whitin Machine Works.
- COUPLINGS, SHAFT**  
Wood's, T. B., Sons Co.
- CRANES**  
Link-Belt Company.
- CREO-PINE**  
Southern Wood Preserving Co.
- CREOSOTE**  
Southern Wood Preserving Co.
- CREOSOTE WOOD PRODUCTS**  
Southern Wood Preserving Co.
- DESKS, STEEL FACTORY**  
Lupton's, David, Sons Co.
- DISINFECTANTS**  
Carolina Specialty Co.  
Masury Young Co.  
L. Sonneborn Sons, Inc.
- DOBBY CHAIN**  
Rice Dobby Chain Co.  
Crompton & Knowles Loom Works
- DOFFING BOXES**  
Rogers Fibre Co.
- DOUBLERS**  
Saco-Lowell Shops.  
Universal Winding Co.
- DOORS, STEEL**  
Lupton's, David, Sons Co.
- DRAWING ROLLS**  
Metallic Drawing Roll Company.
- DRIVES, SILENT CHAIN**  
Link-Belt Co.
- DROP WIRES**  
Crompton & Knowles Loom Works  
Hopdale Mfg. Co.  
Mossberg Pressed Steel Corp.
- DRYERS, CENTRIFUGAL**  
Tolhurst Machine Works.  
Roy & Son Co., B. S.  
Tolhurst Machine Works.
- DYEING, DRYING, BLEACHING AND FINISHING MACHINERY**  
H. W. Butterworth and Sons Co.  
Franklin Process Co.  
Klauder-Weldon Dye Machinery Co.  
Perkins, B. F., & Sons, Inc.
- DYESTUFFS AND CHEMICALS**  
Atlantic Dyestuff Co.  
Borne, Scrymser Company.  
Bosson & Lane.  
E. I. du Pont de Nemours & Co., Inc.  
Kilpstein Co., A.  
Metz, H. A., & Co.  
National Aniline & Chemical Co.  
Roessler & Haaslaacher Chemical Co.  
L. Sonneborn Sons, Inc.  
Stein, Hall & Co.  
United Chemical Products Co.  
Wolf, Jacques & Co.
- ELECTRIC BLOWERS**  
Clements Mfg. Co.
- ELECTRICAL CONTRACTORS**  
Huntington & Guerry.
- ELECTRIC FANS**  
Allis-Chalmers Mfg. Co.
- ELECTRIC HOISTS**  
Allis-Chalmers Mfg. Co.  
Link-Belt Company.
- ELECTRIC LIGHTING**  
Huntington & Guerry.  
Allis-Chalmers Mfg. Co.  
Standard Electric Co.
- ELECTRIC MOTORS**  
Allis-Chalmers Mfg. Co.
- ELECTRIC SUPPLIES**  
Chicago Fuse Mfg. Co.
- ELEVATORS**  
Link-Belt Company.
- ELEVATOR, REVOLVING PORTABLE**  
See Portable Elevators.
- ENGINEERS, MILL**  
See Architects and Mill Engineers.
- ENGINEERS (VENTILATING)**  
Parks-Cramer Co.
- ENGINES (STEAM, OIL, GAS, PUMP-ING)**  
Allis-Chalmers Mfg. Co.  
Sydnor Pump & Well Co.  
See also Ventilating Apparatus.
- EXPERT TEXTILE MECHANIC**  
J. D. Hollingsworth.
- EXTRACTORS**  
American Laundry Machinery Co.  
Tolhurst Machine Works.  
See Electric; also Ventilator.
- FENCES**  
Page Fence and Wire Products Assn.
- FENCES (Iron and Wire)**  
Anchor Post Iron Works.
- FINISHING COMPOUNDS**  
Borne, Scrymser Co.  
Arnold, Hoffman and Co., Inc.
- FINISHING MACHINERY**  
B. F. Perkins and Son, Inc.
- FINISHING MACHINERY**  
See Dyeing, Drying, Bleaching and Finishing.
- FLAT WALL PAINT**  
E. I. du Pont de Nemours & Co., Inc.  
Wadsworth, Howland and Co., Inc.
- FLOOR CLEANERS**  
International Chemical Co.  
Nichols Mfg. Co.  
Poland Soap Works
- FLOOR STANDS**  
Wood's, T. B., Sons Co.
- FLUTED ROLLS**  
Whitin Machine Works.
- FLYER PRESSERS AND OVERHAULERS**  
Southern Spindle & Flyer Co.  
Whitin Machine Works.
- FLYERS**  
Whitin Machine Works.  
Southern Spindle & Flyer Co.
- FRICTION CLUTCHES**  
Wood's, T. B., Sons Co.  
See Clutches.
- FURNACES (Wood-Burning)**  
McClave-Brooks Company.
- FURNACES (Incinerator)**  
McClave-Brooks Company.
- FURNACES (Bagasse)**  
McClave-Brooks Company.
- FUSES**  
Chicago Fuse Mfg. Co.
- GATES**  
Anchor Post Iron Works.
- GEARING, SILENT FLEXIBLE**  
Link-Belt Company.
- GRATE BARS**  
Thomas Grate Bar Co.
- GRATES (Shaking and Cut-Off)**  
McClave-Brooks Company.
- GRATES (Round)**  
McClave-Brooks Company.
- GRAB BUCKETS**  
Link-Belt Company.
- GREASES**  
Masury-Young Company.  
N. Y. & N. J. Lubricant Co.  
L. Sonneborn Sons, Inc.
- GRINDING AND POLISHING MACHINES**  
Roy, B. S., & Son Co.
- GRID BARS**  
Atherton Grid Bar Co.
- HANGERS, SHAFT**  
Fafnir Bearing Co.  
Hyatt Roller Bearing Co.  
Wood's, T. B., Sons Co.
- HARDWARE SUPPLIES**  
Textile Mill Supply Co.
- HARNES TWINE**  
Garland Mfg. Co.
- HARNES AND FRAMES**  
See Heddles and Frames.
- HEDDLES AND FRAMES**  
Garland Mfg. Co.  
Steel Heddle Mfg. Co.  
L. S. Watson Mfg. Co.  
The J. H. Williams Co.
- HUMIDIFYING AND AIR CONDITIONING APPARATUS**  
American Moistening Co.  
The Bahnsen Co.  
Carrier Engineering Corporation.  
Parks-Cramer Co.
- HUMIDITY CONTROLLER**  
American Moistening Co.  
The Bahnsen Co.  
Carrier Engineering Corporation.  
Parks-Cramer Co.
- HYDRO-EXTRACTORS**  
Tolhurst Machine Co.
- INDIGO DYEING MACHINERY**  
H. W. Butterworth and Sons Co.
- KNITTING MACHINERY**  
Hemphill Company.  
Hepworth, John W., & Co.  
KNITTING NEEDLES & SUPPLIES—  
Franklin Needle Company.  
Williams, Chauncey A.
- KNIT GOODS, FINISHING MACHINES**  
Kaumagraph Co.  
Morrow Machine Co., The.
- KNOTTERS**  
Barber-Colman Co.  
Mill Devices Co.
- LAMP GUARDS**  
Flexible Steel Belting Co.
- LAUNDRY MACHINERY**  
American Laundry Machinery Co.
- LANDSCAPE ARCHITECT**  
E. S. Draper.
- LEATHER PACKINGS**  
E. F. Houghton and Company.
- LIQUID CHLORINE**  
Mathieson Alkali Works, Inc.
- LOOMS**  
Crompton & Knowles Loom Works.  
Draper Corporation.  
Hopdale Mfg. Co.  
Saco-Lowell Shops.  
Stafford Co., The.
- LOOM BEAMS AND HEADS**  
Mossberg Pressed Steel Corp.
- LOOM DROP WIRES**  
Crompton & Knowles Loom Works  
Hopdale Mfg. Co.  
Mossberg Pressed Steel Corp.
- LOOM HARNES**  
Garland Mfg. Co.  
Steel Heddle Mfg. Co.
- LOOM PICKERS**  
Garland Mfg. Co.
- LUBRICANTS**  
Borne, Scrymser & Co.  
Masury-Young Co.  
N. Y. & N. J. Lubricant Co.  
L. Sonneborn Sons, Inc.
- MACHINERY ENAMEL**  
E. I. du Pont de Nemours & Co., Inc.
- MANGLES**  
American Laundry Machinery Co.  
H. W. Butterworth and Sons Co.
- MARKERS**  
Kaumagraph Co.  
Morrow Machine Co.
- MERCERIZING MACHINERY**  
H. W. Butterworth and Sons Co.  
Whitin Machine Works.
- METAL PAINT**  
E. I. du Pont de Nemours & Co., Inc.  
Wadsworth, Howland and Co., Inc.
- METALLIC ROLLS**  
Metallic Drawing Roll Co.
- METERS**  
Allis-Chalmers Mfg. Co.
- MILL ARCHITECTS**  
See Architects.
- MILL CONSTRUCTION**  
David Lupton's Sons, Inc.
- MILL LIGHTING**  
See Electric Lighting.
- MILL SUPPLIES**  
Dixon Lubricating Saddle Co.  
Garland Mfg. Co.  
Textile Mill Supply Co.  
Thomas Grate Bar Co.
- MILL WHITE**  
E. I. du Pont de Nemours & Co., Inc.  
Wadsworth, Howland and Co., Inc.  
Borne, Scrymser & Co.
- MOTORS**  
N. Y. & N. J. Lubricant Co.  
Kilpstein, A., & Co.  
Allis-Chalmers Mfg. Co.  
Seydel Chemical Co.  
L. Sonneborn Sons, Inc.



# CLASSIFIED LIST OF ADVERTISERS

U. S. Oil Co.  
Wadsworth, Howland & Co.  
Wolf, Jacques & Co.

OILS—  
E. F. Houghton and Company.

OPENING MACHINERY—  
Saco-Lowell Shops.  
Whitin Machine Works.

OVERSEAMING AND OVEREDGING MACHINES—  
Morrow Machine Co.

OVERHAULERS—  
Southern Spindle & Flyer Co.

PAINTS—  
Carolina Specialty Co.  
E. I. du Pont de Nemours & Co., Inc.  
L. Sonneborn Sons, Inc.  
Tripod Paint Co.  
Wadsworth, Howland & Co.

PARTITIONS, STEEL—  
Lupton's, David, Sons Co.

PATENTS—  
Siggers & Siggers.

PETROBRATE OF SODA—  
Roessler & Hasslacher Chemical Co.

PICKERS, LEATHER—  
Garland Mfg. Co.

PICKER STICKS—  
Garland Mfg. Co.

PIPE AND FITTINGS—  
Parks-Cramer Co.

PILING (Duster and Conveyor)—  
J. N. McCausland and Co.

PNEUMATIC CLEANER—  
R. P. Sweeney

PORTABLE ELEVATORS—  
Link-Belt Company.

POTASH SOAPS—  
International Chemical Co.

POWER TRANSMISSION MACHINERY—  
Allis-Chalmers Mfg. Co.  
Hyatt Roller Bearing Co.  
Fafnir Bearing Co.  
Link-Belt Company.  
Wood's, T. B., Sons Co.

PREPARATORY MACHINERY (COTTON)—  
Saco-Lowell Shops.  
Whitin Machine Works.

PICKERS AND LAPPERS—  
Whitin Machine Works.

PRESSES—  
Economy Baler Co.  
PULLEYS, CAST IRON—  
Wood's, T. B., Sons Co.

PUMPS—  
(Boiler Feed; also Centrifugal.)  
Allis-Chalmers Mfg. Co.  
Sydnor Pump & Well Co.

QUILLERS—  
Crompton & Knowles Loom Works  
Universal Winding Co.  
Whitin Machine Works.

QUILL CLEANERS—  
Terrell Machine Co.

RING TRAVELERS—  
National Ring Traveler Co.  
U. S. Ring Traveler Co.

RING SPINNING FRAMES—  
Whitin Machine Works.  
Saco-Lowell Shops.

PRESSES—  
American Laundry Machinery Co.  
Collins Bros.  
Saco-Lowell Shops.

PEROXIDE OF SODIUM—  
Roessler & Hasslacher.

RECEPTACLES—  
Economy Baler Co.

RAILINGS (Iron)—  
Anchor Post Iron Works.

ROLLS—  
The Whitin Machine Works.  
Metallic Drawing Roll Co.  
Saco-Lowell Shops.  
Southern Spindle & Flyer Co.

ROLLER BEARINGS—  
Hyatt Roller Bearing Co.

ROOFING—  
David Lupton's Sons, Inc.

ROPE TRANSMISSION—  
Link-Belt Company.  
Wood's, T. B., Sons Co.

ROVING CANS AND BOXES—  
National Vulcanized Fibre Co.  
Rogers Fibre Co.

ROVING MACHINERY—  
Whitin Machine Works.  
Saco-Lowell Shops.

SADDLES—  
Dixon Lubricating Saddle Co.

SALT—  
Mylers Salt Company.

SANITARY EQUIPMENT—  
Vogel Co., Joseph A.

SANITARY FOUNTAINS—  
See Drinking Fountains.

SASH, STEEL—  
Lupton's, David, Sons Co.

SCALLOP MACHINES—  
Morrow Machine Co.

SCOURING POWDERS—  
Nichols Mfg. Co.

SECTION BEAM HEADS—  
Mossberg Pressed Steel Corp.

SEWING MACHINES—  
Morrow Machine Co.

SHAFTING, HANGERS, ETC.—  
See Power Transmission Machinery.

SHELL STITCH MACHINES—  
Morrow Machine Co.  
B. F. Perkins and Son, Inc.

SHAFTING—  
Fafnir Bearing Co.  
Wood's, T. B., Sons Co.

SHEET METAL WORK—  
J. N. McCausland & Co.

SHELVING, STEEL—  
Lupton's, David, Sons Co.

SESQUICARBONATE OF SODA—  
Mathieson Alkali Works, Inc.

SHUTTLES—  
David Brown Co.  
Lestershire Spool & Mfg. Co.  
Lowell Shuttle Co.  
Draper Corporation.  
Hopdale Mfg. Co.  
L. S. Watson Mfg. Co.  
The J. H. Williams Co.

SIZING STARCHES, GUMS—  
Arnold, Hoffman and Co., Inc.  
Allen, Charles R.  
Atlantic Dyestuff Co.  
Arabol Mfg. Co.  
L. Sonneborn Sons, Inc.

SINGING MACHINERY—  
H. W. Butterworth and Sons Co.  
Borne, Scrymser Co.  
Bosson & Lane.  
A. E. Staley Mfg. Co.  
Corn Products Refining Co.  
Drake Corporation.  
Hawley's Laboratories  
United Chemical Products Co.  
John P. Marston Co.  
H. A. Metz & Co., Inc.  
A. Klipstein & Co.  
Stein, Hall & Co.  
Jacques, Wolf & Co.

SILENT CHAIN DRIVE—  
Link-Belt Company.

SKYLIGHT, ROLLED STEEL—  
Lupton's, David, Sons Co.

SOFTENERS (COTTON)—  
Arnold, Hoffman and Co., Inc.  
United Chemical Products Corp.  
Arabol Mfg. Co.  
Bosson & Lane.  
Jacques Wolf & Co.  
Metz, H. A., & Co., Inc.  
L. Sonneborn Sons, Inc.  
Seydel Chemical Co.  
The U. S. Bobbin & Shuttle Co.

SKEWERS—  
U. S. Bobbin & Shuttle Co.  
Courtney, The Dana S., Co.  
Jordan Mfg. Co.  
Walter L. Parker Co.  
David Brown Co.

SKYLIGHTS—  
J. N. McCausland and Co.

SLASHERS AND EQUIPMENT—  
Saco-Lowell Shops.

SLASHER HOODS—  
R. O. Pickens Slasher Hood Co.  
McCausland, J. N., & Co.

SOAPS—  
Arabol Mfg. Co.  
Poland Soap Works.  
Klipstein, A., & Co.  
L. Sonneborn Sons, Inc.  
United Chemical Products Co.

SOAP BUILDERS—  
International Chemical Co.

SOFTENERS—  
Borne, Scrymser Co.  
L. Sonneborn Sons, Inc.

SOFTENERS (Oil)—  
E. F. Houghton and Company.

SOLOZONE—  
Roessler & Hasslacher Chemical Co.

SPINDLE—  
Draper Corporation.  
Saco-Lowell Shops.  
Southern Spindle & Flyer Co.  
Whitin Machine Works.

SPINNING FRAME SADDLES—  
Dixon Lubricating Saddle Co.

SPINNING RINGS—  
Draper Corporation.  
Pawtucket Spinning Ring Co.  
Whitin Machine Works.  
Whitinsville Spinning Ring Co.

SPROCKETS, SILENT CHAIN—  
Link-Belt Company.

STARCH—  
See Sizing, Starch and Gum.  
Draper Corporation.  
Saco-Lowell Shops.  
Penick and Ford, Ltd.  
Whitin Machine Works.

SPOOLERS—  
SPINNING TAPE—  
John B. Young.  
American Textile Banding Co.

SPOOLS—  
David Brown Co.  
U. S. Bobbin & Shuttle Co.  
Courtney, The Dana S., Co.  
Jordan Mfg. Co.  
Lestershire Spool and Manufacturing Co.  
Walter L. Parker Co.  
See Bobbins, Spools, Shuttles.

SODA ASH—  
Mathieson Alkali Works, Inc.

SWITCH BOXES—  
Chicago Fuse Mfg. Co.

STRIPPER CARDS—  
L. S. Watson Mfg. Co.

STOKERS (Hand-Fired)—  
McClave-Brooks Company.

STOKERS (Hopper-Feed)—  
McClave-Brooks Company.

STOKERS (Mechanical)—  
McClave-Brooks Company.

SUCTION CLEANING MACHINES—  
R. P. Sweeney

TAPES, BRAIDS AND EDGINGS—  
John B. Young.

TESTERS

TEXTILE MACHINERY SPECIALTIES  
Cocker Machine and Foundry Co.  
Hyatt Roller Bearing Co.

TEMPLES—  
Draper Corporation.  
Hopdale Mfg. Co.

TESTING APPARATUS (FABRICS)—  
Perkins, B. F., & Son, Inc.

TRANSFER STAMPS—  
Kaumagraph Co.

TRANSMISSION BELT—  
Baltimore Belting Co.  
Charlotte Leather Belting Co.

TRANSMISSION MACHINERY—  
Allis-Chalmers Mfg. Co.  
Tolhurst Machine Works.  
Wood's, T. B., Sons Co.

TOILETS—  
Vogel, Jos. A., Co.

TOOL CABINETS AND STANDS, STEEL—  
Lupton's, David, Sons Co.

TRANSMISSION BELTS—  
E. F. Houghton and Company.

TRANSMISSION MACHINERY—  
Hyatt Roller Bearing Co.

TRANSMISSION SILENT CHAIN—  
Link-Belt Co.  
Morse Chain Co.

TRUCKS (MILL)—  
National Vulcanized Fibre Co.

TUBES, PAPER—  
Southern Novelty Company.

TURBINES (STEAM)—  
Allis-Chalmers Mfg. Co.

TWISTING MACHINERY—  
Draper Corporation.  
Saco-Lowell Shops.  
Whitin Machine Works.

UNDERWEAR MACHINES—  
Morrow Machine Co.

VENTILATING APPARATUS—  
American Moltening Co.

VENTILATING FANS—  
B. F. Perkins and Son, Inc.

WARPERS—  
Cocker Machine & Foundry Co.  
Crompton & Knowles Loom Works  
Draper Corporation.  
T. C. Entwistle Co.

WARP DRESSING—  
Drake Corporation.  
L. Sonneborn Sons, Inc.

SEPARATORS—  
WARP STOP MOTION—  
Draper Corp.  
Hopdale Mfg. Co.  
R. I. Warp Stop Equipment Co.

L. Sonneborn Sons, Inc.  
Wadsworth, Howland and Co., Inc.

WARP TYING MACHINERY—  
Barber-Colman Co.

WASHING POWDERS—  
Poland Soap Works.  
International Chemical Co.

WASHERS (FIBRE)—  
Rogers Fibre Co.  
American Vulcanized Fibre Co.

WASTE BINS, STEEL—  
Lupton's, David, Sons Co.

WASTE RECLAIMING MACHINERY—  
Saco-Lowell Shops.  
Whitin Machine Works.

WASTE PRESSES—  
Economy Baler Co.

WATER INTAKE SCREENS—  
Link-Belt Company.

WEIGHTING COMPOUNDS—  
Arabol Mfg. Co.  
Atlantic Dyestuff Co.  
Bosson & Lane.  
Marston, John P.  
Klipstein, A., & Co.  
Metz, H. A.  
Jacques, Wolf & Co.

WATER WHEELS—  
Allis-Chalmers Mfg. Co.

WELL DRILLING—  
Sydnor Pump & Well Co.

WINDERS—  
Saco-Lowell Shops.  
Universal Winding Co.

WINDOWS—  
David Lupton's Sons, Inc.  
Carrier Engineering Corporation  
Parks-Cramer Co.  
J. N. McCausland and Co.  
Tolhurst Machine Works.

WINDOW FRAMES AND SASH, STEEL—  
Lupton's, David, Sons Co.

WHIZZERS—  
Tolhurst Machine Works.

WOOD PRESERVING—  
Southern Wood Preserving Co.

YARNS—  
Florsheim, H. A.  
Gray-Separk Mills.  
Paulson, Linkroom & Co.  
Mauney-Steele Company.

YARN PRESSES—  
Economy Baler Co.

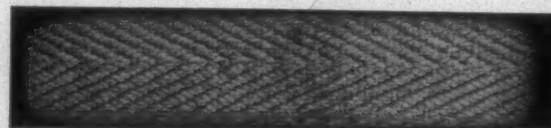
## A PURE SALT

UNEQUALED FOR DYE VATS  
MYLES SALT CO., LTD. New Orleans, U. S. A.

## AMERICAN TEXTILE BANDING CO., Inc

Manufacturer

Spindle Tape  
AND  
Bandings



Bolfield Ave. and Wister St., Germantown, Phila., Pa.

Better opened cotton and better running work with improvement in quality by the MURRAY COTTON CLEANING AND OPENING MACHINE. Write us for information and as to present users.

Carolina Specialty Company  
Agents in the Carolinas

Charlotte, N. C.



# ALPHABETICAL LIST OF ADVERTISERS

- A-**  
 Allen, Chas. R., Charleston, S. C.  
 Wm. Allen Sons Co., Worcester, Mass.  
 Allis-Chalmers Mfg. Co., Milwaukee, Wis.  
 American Molstening Co., Boston, Mass.  
 American Laundry Machinery Co., Cincinnati, Ohio.  
 American Textile Banding Co., Philadelphia, Pa.  
 Anchor Post Iron Works, New York.  
 Armature Winding Co., Charlotte, N. C.  
 Arnold Hoffman and Co., Providence, R. I.  
 Ashworth Bros., Charlotte, N. C.  
 Atherton Pin Grid Bar Co., Providence, R. I.  
 Atlanta Brush Co., Atlanta, Ga.  
 Atlantic Dyestuff Co., 88 Ames Building, Boston, Mass.
- B-**  
 Brown, The David, Co., Lawrence, Mass.  
 J. L. Bussey & Co., Greenville, S. C.  
 Bahnsen Co., Winston-Salem, N. C.  
 Borne, Scrymser Co., 80 South St., New York.  
 Barber Colman Co., Rockford, Ill.  
 Bosson & Lane, Atlantic, Mass.  
 Bradshaw-Roberson Cotton Co., Greensboro, N. C.  
 Brown-St. Onge Co., Providence, R. I.  
 Budd Grate Co., 2011 E. Hagert St., Philadelphia, Pa.  
 H. W. Butterworth and Sons Co., Philadelphia, Pa.
- C-**  
 Carrier Engineering Corp., New York.  
 Carolina Specialty Co., Charlotte, N. C.  
 Catlin & Co., 345 Broadway, New York.  
 Charleston Security Co., Charleston, S. C.  
 Chicago Fuse Mfg. Co., Chicago, Ill.  
 Clements Mfg. Co., 621 Fulton St., Chicago.  
 Coker Cotton Co., Hartsville, S. C.  
 Cocker Machine & Foundry Co., Gastonia, N. C.  
 Collins Bros. Machine Co., Pawtucket, R. I.  
 Cooper & Griffin, Greenville, S. C.  
 Corn Products Refining Co., New York.  
 Courtney Co., Dana S., Chicopee, Mass.  
 Crompton & Knowles Loom Works, Worcester, Mass.
- D-**  
 Joseph L. Davidson, 225 N. Second St., Philadelphia.  
 Joseph Dixon Crucible Co., Jersey City, N. J.  
 Dixon Lubricating Saddle Co., Bristol, R. I.  
 E. S. Draper, 11 E. Fifth St., Charlotte, N. C.  
 Draper Corporation, Hopedale, Mass.  
 Dronsfield's Sales Agency, 232 Sumner St., Boston, Mass.  
 Drake Corporation, Norfolk, Va.  
 E. I. duPont de Nemours & Co., Wilmington, Del.
- E-**  
 Economy Baler Co., Ann Arbor, Mich.  
 Edge Moor Iron Co., Edge Moor, Del.  
 Emmons Loom Harness Co., Lawrence, Mass.  
 T. C. Entwistle Co., Lowell, Mass.
- F-**  
 Fafnir Bearing Co., New Britain, Conn.  
 Flexible Steel Lacing Co., 4699 Lexington St., Chicago, Ill.  
 Florsheim, H. A., 225 Fifth Ave., New York.  
 J. B. Ford Co., Wyandotte, Mich.  
 Franklin Process Co., Providence, R. I.  
 Franklin Needle Co., Franklin, N. H.  
 Grant Leather Corporation, Kingsport, Graton and Knight Mfg. Co., Worcester, Mass.  
 Grinnell Co., Providence, R. I.  
 Kenneth Grigg & Co., Lincoln, N. C.
- H-**  
 Hambley & Co., Salisbury, N. C.  
 Hawley's Laboratories, Charlotte, N. C.  
 Hesslein & Co., Inc., 57 Worth St., New York.
- I-**  
 Hemphill Co., Pawtucket, R. I.  
 Hepworth, John W. & Co., Lehigh Ave. and Mascher St., Philadelphia, Pa.  
 John Hetherington and Sons, Ltd., 10 High St., Boston, Mass.  
 Arnold Hoffman Co., Providence, R. I.  
 Hollingsworth, J. D., Greenville, S. C.  
 Hopedale Mfg. Co., Hopedale, Mass.  
 E. F. Houghton & Co., Philadelphia, Pa.  
 Huntington & Guerry, Greenville, S. C.  
 Hockaday Co., Chicago, Ill.
- J-**  
 Jordan Mfg. Co., Monticello, Ga.  
 International Chemical Company, Philadelphia, Pa.
- K-**  
 Kaumagraph Co., 209 W. 38th St., New York.  
 Keever Starch Co., Greenville, S. C.  
 Klauder-Weldon Dyeing Machine Company, Jenkintown, Pa.  
 Klipsch & Co., A., New York.
- L-**  
 Edward R. Ladew Co., 428 Broadway, New York.  
 Lesser-Goldman Cotton Co., Charlotte, N. C.  
 J. H. Lane & Co., New York.  
 Lawrence & Company, Boston, Mass.  
 Lestershire Spool and Mfg. Co., Johnston City, N. Y.  
 Lockwood, Greene & Co., Boston, Mass.  
 Lowell Shuttle Co., Lowell, Mass.  
 Link-Belt Company, Nicetown, Philadelphia, Pa.  
 Lineberger Bros., Lincoln, N. C.  
 Lupton, David, Sons, nc., Philadelphia, Pa.
- M-**  
 James E. Mitchell Co., Philadelphia, Pa.  
 Myles Salt Co., 712 Whitney Bldg., New Orleans, La.  
 Macrodi Fibre Co., Woonsocket, R. I.  
 Marston Co., John P., 247 Atlantic Ave., Boston, Mass.  
 Mathieson Alkali Works, New York.  
 Masury-Young Co., 196 Milk St., Boston, Mass.  
 McClave-Brooks Company, Scranton, Pa.  
 Mill Devices Co., Durham, N. C.  
 Mauney Steel Co., Philadelphia, Pa.  
 Merrow Machine Co., Hartford, Conn.  
 Metallic Drawing Roll Co., Indian Orchard, Mass.  
 J. N. McCausland Co., Charlotte, N. C.  
 Metz & Co., H. A., 122 Hudson St., New York.
- N-**  
 Monroe Calculating Machine Co., Woolworth Bldg., New York.  
 Mossberg Pressed Steel Cor., Attleboro, Mass.
- O-**  
 National Ring Traveler Co., Providence, R. I.  
 National Aniline & Chemical Co., New York.  
 National Vulcanized Fibre Co., Wilmington, Del.  
 N. Y. & N. J. Lubricant Co., 401 Broadway, New York.  
 Nichols Mfg. Co., Asheville, N. C.  
 Norwood Engineering Co., Florence, Mass.
- P-**  
 Page Fence and Wire Products Association, 215 N. Michigan St., Chicago.  
 R. H. Parker & Co., Gastonia, N. C.  
 Penick and Ford, Ltd., Cedar Rapids, Iowa.  
 Paulson, Linkroum & Co., 52 Leonard St., New York.  
 Parks-Cramer Co., Fitchburg, Mass.  
 Walter L. Parker Co., Lowell, Mass.  
 Pawtucket Spinning Ring Co., Central Falls, R. I.  
 B. F. Perkins and Son, Inc., Holyoke, Mass.
- R-**  
 R. I. Warp Stop Equipment Co., Pawtucket, R. I.  
 Rice, Dobby Chain Co., Millbury, Mass.  
 Rogers Fibre Co., 121 Beach St., Boston, Mass.  
 Rose, Geo. M., Jr., Charlotte, N. C.  
 Roessler & Hasselacher Chemical Co., 709 Sixth Ave., New York.  
 Roy & Sons Co., B. S., Worcester, Mass.
- S-**  
 L. Sonneborn Sons, Inc., 115 Fifth Ave., New York.  
 Saco-Lowell Shops, Charlotte, N. C.  
 S K F Industries, Inc., New York.  
 Sirrine, J. E., Greenville, S. C.  
 Southern Railway, Charlotte, N. C.  
 Southern Textile Machinery Co., Greenville, S. C.  
 Southern Spindle & Flyer Co., Charlotte, N. C.  
 Southern Textile Banding Mill, Charlotte, N. C.  
 Southern Wood Preserving Co., Atlanta, Ga.  
 Stafford Co., The, Readville, Mass.  
 Staley Mfg. Co., A. E., Decatur, Ill.  
 Steel Heddle Mfg. Co., Philadelphia, Pa.  
 Stein, Hall & Co., New York City.  
 R. P. Sweeny, Greenville, S. C.
- T-**  
 Tanner & Jones, Charlotte, N. C.  
 Terrell Machine Co., Charlotte, N. C.  
 Textile Mill Supply Co., Charlotte, N. C.  
 Thomas Grate Bar Co., Birmingham, Ala.  
 Tolhurst Machine Works, Troy, N. Y.  
 Torrington Co., Torrington, Conn.  
 Tripod Paint Co., 88 N. Broad St., Atlanta, Ga.
- U-**  
 United Chemical Products Corp., Jersey City, N. J.  
 U. S. Bobbin & Shuttle Co., 57 Eddy St., Providence, R. I.  
 U. S. Ring Traveler Co., Providence, R. I.  
 Universal Winding Co., Boston, Mass.
- V-**  
 Vogel Co., Jos. A., Wilmington, Del.
- W-**  
 Ridley Watts and Co., 44 Leonard St., New York.
- Y-**  
 Wilson, Wm. and York, Charlotte, N. C.  
 J. H. Williams Co., Millbury, Mass.  
 L. S. Watson Mfg. Co., Leicester, Mass.  
 Wadsworth, Howland & Co., Boston, Mass.  
 Wolfe, H. H., & Co., Monroe, N. J.  
 Wolf & Co., Jacques, Passaic, N. J.  
 Wood's, T. B. Sons Co., Chambersburg, Pa.  
 Whitin Machine Works, Whitinsville, Whitinsville Spinning Ring Co., Whitinsville, Mass.  
 Whitman & Son, Clarence, New York.  
 Wilkins & Gibson, Greenville, S. C.  
 Williams, Chauncey A., Manchester, N. H.  
 Wilts Veneer Co., Richmond, Va.  
 John B. Young, Lawndale, Philadelphia, Pa.

Save in freight by using

**W I L T S**

Veneer Packing Cases

They are lighter and stronger, made of perfect 3-ply Veneer Packing Case Shooks. A saving of 20 to 30 pounds in freight on every shipment because of extreme lightness. Stronger than inch boards, burglarproof, waterproof and clean. Write for prices and samples. Convincing prices—Quick service. Wilts Veneer Co., Richmond, Va.

**OUR SPINNING RINGS---SINGLE OR DOUBLE FLANGE**

Start Easiest, Run Smoothest, Wear Longest!

**PAWTUCKET SPINNING RING CO.**  
CENTRAL FALLS, R. I.

**NORWOOD**

**Mechanical Filtration**

Gravity or Pressure Types

Clean, Clear Water Guaranteed

**Norwood Engineering Co.**  
Florence, Mass., U. S. A.

Chas. M. Setzer, Sou. Rep. Charlotte, N. C.

**Ashworth Brothers, Inc.**

**Tempered and Side Ground Card Clothing**

TOPS RECLOTHED

LICKERINS REWOUND

COTTON MILL & SPINNING REPAIRS

For Prompt Service send your Top Flats to be reclothed and your Lickerins to be rewound to our nearest factory. We use our own special point hardened lickerin wire.

12 to 18 West Fourth St., Charlotte, N. C.

240 River Street, Greenville, S. C.

127 Central Avenue, Atlanta, Ga.



UNIVERSAL WINDING COMPANY — BOSTON



Winding machines for single and ply yarns, cotton, woolen, worsted and silk. Write for circular describing the NEW WIND DOUBLER, also the No. 80 for winding SUPERCONES.

CHARLOTTE OFFICE  
804 Realty Building  
FREDERICK JACKSON

ATLANTA OFFICE  
1121 Candler Bldg.  
WINTHROP S. WARREN

—Agents—

Established 1815

Arnold, Hoffman & Co., Inc.

PROVIDENCE, R. I.  
BOSTON, MASS.

PHILADELPHIA, PA.  
NEW YORK, N. Y.

CHARLOTTE, N. C.

Importers and Manufacturers of Specialties for  
**Sizing, Softening and Finishing all  
Textile Fabrics**

Sole Agents for  
BELLE ALKALI CO. of Belle, W. Va.

Manufacturers of CAUSTIC SODA, Solid and Flaked  
BLEACHING POWDER  
LIQUID CHLORINE



How much does your *Leather Belting* cost per year? After all, this is the real test of Quality. If you will leave it to us we will furnish the belt that will cost less per year---over a period of years.

Clean Quality.  
Trouble Free.

*Charlotte Leather Belting Company*

Charlotte, North Carolina



For  
Superior Results

Use  
"United" Products

Dyestuffs  
Softeners

Sizes Oils Chemicals

**UNITED CHEMICAL PRODUCTS  
CORPORATION**

Importers, Exporters and Manufacturers

York & Colgate Sts.

Jersey City, N. J.

Southern Office, 307 Commercial National Bank Building

Charlotte, N. C.

Pawtucket, R. I.

Norwalk, Conn.

Chicago, Ill.

**SACO-LOWELL  
SERVICE**

BULLETIN NO. 5

We are glad to tell you that we now have here in Charlotte a new office building and repair shop of our own. The buildings are adjoining. We are able to rewind twice as many Lickers-in and reclothe twice as many Flats as heretofore, because our equipment in this shop is just doubled.

With better working conditions, better light, double equipment and closer supervision, we are prepared to give you the best possible workmanship, and the most prompt shipment of the lickers-in and flat repair work you send us.

TRY THIS SERVICE

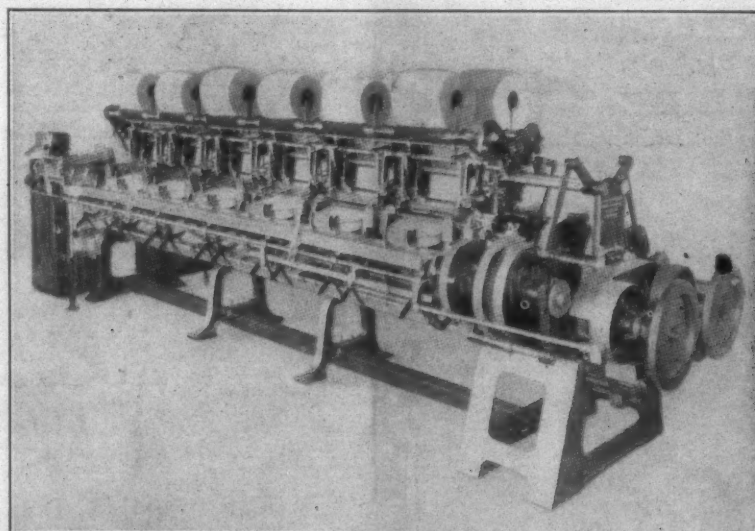
**SACO-LOWELL SHOPS**  
CHARLOTTE, N. C.



# JOHN HETHERINGTON & SONS

**LIMITED.**  
**Manchester, England**  
 Established 1830  
 Makers of All Kinds of Machinery for  
 Opening, Preparing, Spinning and Doubling  
 Cotton, Waste, Wool and Worsted Yarns, &c.  
 Sole Agent United States and Canada  
**HERBERT HARRISON**  
 Room 1125—10 High Street Boston, (9) Mass.

**HIGH  
 PRODUCTION  
 —  
 HIGH  
 QUALITY**



**DURABILITY  
 AND  
 SUPERIOR  
 WORKMANSHIP**

## The New Nasmith Patent Comber

**Twin Six**

**1922 Models**

**Single Six**

**The Ideal Comber For All Short Staple Cottons**

Advantages of the two-sided machine are:

- (1) Economy of floor space, shafting, pulleys and straps.
  - (2) Great reduction in the distance traversed daily by the operative.
  - (3) Setting all done while standing upright, in full light, in front of each machine.
- The machine can be built as a single six-head machine if so desired.

*Southern Representative, J. H. MAYES, Charlotte, N. C.*